Long-Term Temperature Monitoring Program 1982 : Newfoundland Region

D. Dobson and B. Petrie

Atlantic Oceanographic Laboratory
Ocean Science and Surveys, Atlantic
Department of Fisheries and Oceans

Bedford Institute of Oceanography
P.O. Box 1006
Dartmouth, Nova Scotia B2Y 4A2

July 1983

Canadian Data Report at Hydrography and Ocean Sciences No. 11

Canadian Data Report Of Hydrography and Ocean Sciences

These reports provide a medium for the documentation and dissemination of data in a form directly useable by the scientific and engineering communities.

Generally, the reports will contain raw and/or analyzed data but will not contain interpretations of the data. Such compilations will commonly have been prepared in support of work related to the programs and interests of the Ocean Science and Surveys (OSS) sector of the Department of Fisheries and Oceans.

Data Reports are produced regionally but are numbered and indexed nationally. Requests for individual reports will be fulfilled by the issuing establishment listed on the front cover and title page. Out of stock reports will be supplied for a fee by commercial agents.

Regional and headquarters establishments of Ocean Science and Surveys ceased publication of their various report series as of December 1981. A complete listing of these publications and the last number issued under each title are published in the *Canadian Journal of Fisheries and Aquatic Sciences*, Volume 38: Index to Publications 1981. The current series began with Report Number 1 in January 1982.

Rapport statistique canadien sur l'hydrographie et les sciences océaniques

Ces rapports servent de véhicule pour la compilation et la diffusion des données sous une forme directement utilisable par les scientifiques et les techniciens.

En général, les rapports contiennent des données brutes ou analysées mais ne fournissent pas d'interprétations des données. Ces compilations sont préparées le plus souvent à l'appui de travaux reliés aux programmes et intérêts du service des Sciences et Levés océaniques (SLO) du ministère des Pêches et des Océans.

Les rapports statistiques sont produits à l'échelon régional mais sont numérotés et placés dans l'index à l'échelon national. Les demandes de rapports seront satisfaites par l'établissement auteur dont le nom figure sur la couverture et la page de titre. Les rapports épuisés seront fournis contre rétribution par des agents commerciaux.

Les établissements des Sciences et Levés océaniques dans les régions et à l'administration centrale ont cessé de publier leurs diverses séries de rapports depuis décembre 1981. Vous trouverez dans l'index des publications du volume 38 du *Journal canadien des sciences halieutiques et aquatiques*, la liste de ces publications ainsi que le dernier numéro paru dans chaque catégorie. La nouvelle série a commencé avec la publication du Rapport n° 1 en janvier 1982.

Canadian Data Report of

Hydrography and Ocean Sciences 11

JULY, 1983

LONG-TERM TEMPERATURE

MONITORING PROGRAM 1982, NEWFOUNDLAND REGION

by

D. Dobson and B. Petrie

Atlantic Oceanographic Laboratory
Ocean Science and Surveys, Atlantic
Department of Fisheries and Oceans

Bedford Institute of Oceanography
P.O. Box 1006
Dartmouth, Nova Scotia
B2Y 4A2

© Minister of Supply and Services Canada 1983
Cat. No. Fs 97-16/11 ISSN 0711-6721

Correct citation for this publication:

Dobson, D. and Petrie, B. 1983. Long-term temperature monitoring program 1982, Newfoundland Region. Can. Data Rep. Hydrogr. Ocean Sci. 11: v + 335 p.

ABSTRACT

Dobson, D. and Petrie, B. 1983. Long-term temperature monitoring program 1982, Newfoundland Region. Can. Data Rep. Hydrogr. Ocean Sci. 11: v + 335 p.

Temperature data collected in 1982 near the bottom at sites of productive fisheries in coastal areas of Newfoundland are presented.

RESUME

Dobson, D. and Petrie, B. 1983. Long-term temperature monitoring program 1982, Newfoundland Region. Can. Data Rep. Hydrogr. Ocean Sci. 11: v + 335 p.

On présente les données relatives à la température recueillies, en 1982, à proximité du fond aux endroits où la pêhe est productive.

TABLE OF CONTENTS

Abstract/Résumé iii

1. Introduction 1

2. Instrumentation 1

3. Mooring Sites, Data Return and Processing 1

4. Mooring Site Tables and Maps 3

5. Other Tables 5

6. Area 3 (Newfoundland) Temperature Plots 10

Westport, White Bay 11

Harry's Harbour, Green Bay 15

Comfort Cove 17

Hillgrade 33

Stock Cove 37

Salvage Bay 53

Terra Nova National Park 57

Sunnyside 59

Logy Bay 70

Holyrood 76

St. Croix Bay 88

Colinet 89

Shag Rocks, Placentia Bay 95

Spencers Cove, Placentia Bay 111

Arnold's Cove 123

Garden Cove 132

Little Bay Mortier 139

Headwater Pond 142

Spruce Pond 148

Table of Contents (Cont'd)

7. Area 3 Mean Temperatures/Degree Days 151

Westport, White Bay 152

Harry's Harbour, Green Bay 156

Comfort Cove 159

Hillgrade 179

Stock Cove 184

Salvage Bay 206

Terra Nova National Park 210

Sunnyside 213

Logy Bay 229

Holyrood 237

St. Croix Bay 254

Colinet 255

Shag Rocks, Placentia Bay 263

Spencers Cove, Placentia Bay 282

Arnold's Cove 298

Garden Cove 309

Little Bay Mortier 320

Headwater Pond 324

Spruce Pond 332

1. INTRODUCTION

A pilot program to obtain continuous long term measurements of bottom temperature in the Scotia-Fundy and Gulf region was initiated in March 1978, primarily at the request of biologists from the St. Andrews Biological Station. Their studies indicate that water temperature has a significant influence on the growth and feeding activity of commercial invertebrates (lobster, crab and scallops). The results of the 1978 observations and data from following years are contained in Bedford Institute data reports and may be obtained from Des Dobson.

Temperature records have been collected in the Newfoundland region since at least 1967 and are also found in B.I.O. data reports. We present the data gathered during the 1982 field season from Newfoundland coastal area.

2. INSTRUMENTATION

The Ryan Model J thermograph has been used in the program and is described by Gregory and Dobson. Site selection and mooring deployment are handled by the fisheries lab in St. John's. The Atlantic Oceanographic Lab has been servicing and calibrating the instruments, digitizing and plotting the data, and making elementary calculations. Many of the Newfoundland sites are diver serviced in relatively sheltered areas.

3. MOORING SITES, DATA RETURN AND PROCESSING

The mooring sites have been divided into three areas: 1) Scotia-Fundy, 2) Gulf, 3) Newfoundland. The length of the report has required it to be divided into 2 parts with this one covering the Newfoundland region. Tables for the mooring locations, with the corresponding area map, begins after section 3. Site names, instrument serial numbers, depths,

co-ordinates, data length and location are recorded in the tables. A zero indicates that information is unavailable for a particular quantity. Instrument loss or failure is shown in the same format using start-stop time space for remarks.

All data reduction, plotting and calculations were contracted out to Evans Computer Applications Ltd. The analogue charts were digitized every 4 hours to the nearest 0.5°C and calculations are based on these data. The calculations included daily mean temperatures and the accumulated degree days (ADD) starting with the beginning of the record. Reference temperatures, T(ref), of 0°C and 4°C were used. The first and last calculations generally include partial days depending on the time the moorings were set and recovered.

We have: ADD = $\sum$(T-T(ref))xtime where for T<T(ref), ADD = 0 and time is given in days. Table 3 gives a summary of the data return and some of the problems encountered during the field season. Table 4 gives the monthly degree calculations relative to 0°C (dividing by the number of days in a month will give the approximate average monthly temperature).

Instrument recoveries do not always coincide with the calendar year, as in the case of instruments presumed lost and later recovered. Thus, the data reported here include time series from earlier years.

An attempt was made by the fisheries biologists in Newfoundland to moor several Ryan recorders on a single line in Trinity Bay during 1982 (John Anderson, pers. comm.). In this manner, temperature profiles could be constructed from the observations taken at discrete depths. Similar efforts in the Scotia-Fundy and Gulf regions have shown the importance of sampling at several depths. These attempts should be continued.

TABLE 1

Site Designations

Area 3: Newfoundland

69. Westport, White Bay
70. Harry's Harbour, Green Bay
71. Comfort Cove
72. Hillgrade
73. Stock Cove
74. Salvage Bay
75. Terra Nova National Park
76. Deer Harbour, Trinity Bay
77. Sunnyside
78. Logy Bay
79. Holyrood
80. St. Croix Bay
81. Colinet
82. Shag Rocks
83. Spencer's Cove
84. Arnold's Cove
85. Garden Cove
86. Little Bay Mortier
87. Headwater Pond
88. Spruce Pond

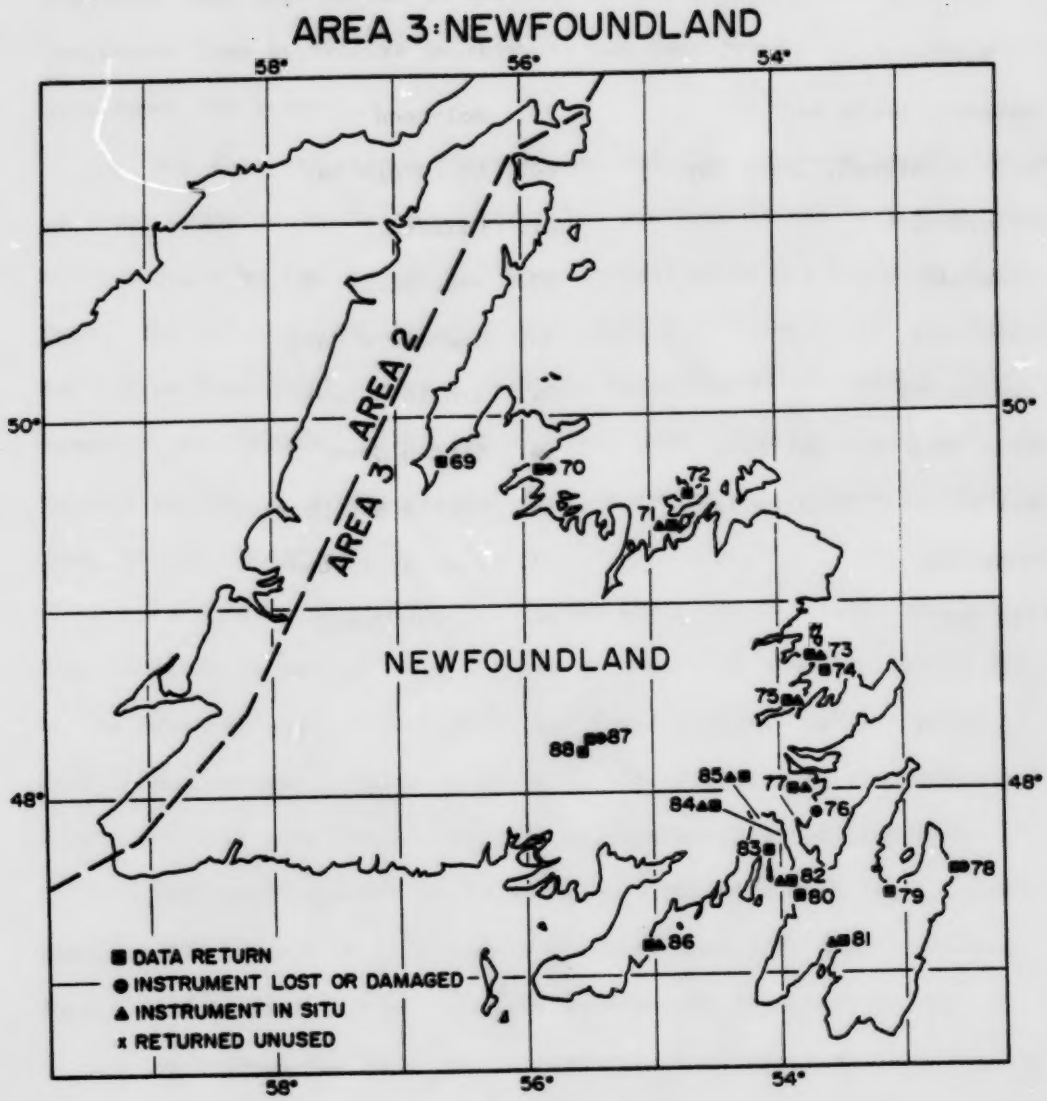

AREA 3: NEWFOUNDLAND
58°
56°
54°
50°
48°
AREA 2
AREA 3
NEWFOUNDLAND
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
DATA RETURN
INSTRUMENT LOST OR DAMAGED
INSTRUMENT IN SITU
RETURNED UNUSED

Figure 1

TABLE 2

AREA 3 NEWFOUNDLAND

Index of RYAN data 1983/02/08. 21.07.22 Page 1

Sta.	Name	Serial	Dep.	Lat.	Long.	Start Time	Stop Time
69A	WESTPORT WHITE BAY NFLD	62469	4	50.12	56.60	Jun 21/1982	Sep 1 /1982
69B	WESTPORT WHITE BAY NFLD	62487	35	49.75	56.03	Sep 2/1982	Nov 15/1982
70A	HARRYS HBR GREEN B NFLD	62471	5	49.72	55.88	May 25/1982	Sep 8/1982
70B	HARRYS HBR GREEN B NFLD	60914	N/R	49.72	55.88	DEL JUL 82.MECH FAILURE.	
71A	COMFORT COVE NFLD	61654	9	49.41	54.83	Nov 17/1981	Apr 29/1982
71B	COMFORT COVE NFLD	61471	9	49.41	54.83	Nov 17/1981	Apr 29/1982
71C	COMFORT COVE NFLD	62553	9	49.41	54.83	Apr 29/1982	Sep 13/1982
71D	COMFORT COVE NFLD	62507	9	49.41	54.83	Apr 29/1982	Sep 9/1982
71E	COMFORT COVE NFLD	62484	9	49.41	54.83	Sep 9/1982	Dec 13/1982
71F	COMFORT COVE NFLD	62486	9	49.41	54.83	Sep 9/1982	Dec 17/1982
71G	COMFORT COVE NFLD	62544	N/R	49.41	54.83	DEL NOV 82.ON SITE.	
71H	COMFORT COVE NFLD	62548	N/R	49.41	54.83	DEL NOV 82.ON SITE.	
72A	HILLGRADE NFLD	62468	23	49.58	54.70	May 30/1982	Sep 20/1982
72B	HILLGRADE NFLD	61633	23	49.58	54.70	Sep 19/1982	Nov 21/1982
73A	STOCK COVE NFLD	61665	9	48.71	53.76	Nov 18/1981	Apr 20/1982
73B	STOCK COVE NFLD	61675	9	48.71	53.76	Nov 18/1981	Apr 20/1982
73C	STOCK COVE NFLD	62508	9	48.71	53.76	Apr 20/1982	Sep 10/1982
73D	STOCK COVE NFLD	62540	9	48.71	53.76	Apr 20/1982	Sep 10/1982
73E	STOCK COVE NFLD	62490	9	48.71	53.76	Sep 10/1982	Dec 16/1982
73F	STOCK COVE NFLD	62491	9	48.71	53.76	Sep 10/1982	Dec 16/1982
73G	STOCK COVE NFLD	62507	N/R	48.71	53.76	DEL NOV 82.ON SITE.	
73H	STOCK COVE NFLD	61648	N/R	48.71	53.76	DEL NOV 82.ON SITE.	
74A	SALVAGE BAY NFLD	62465	37	48.38	53.33	Jun 4/1982	Sep 1/1982
74B	SALVAGE BAY NFLD	62485	16	48.63	53.63	Aug 31/1982	Nov 15/1982
75A	TERRA NOVA N. PARK NFLD	62480	36	48.47	53.93	Aug 10/1982	Nov 17/1982
75B	TERRA NOVA N. PARK NFLD	60931	10	48.47	53.93	MOORED AUG 82.ON SITE.	
75C	TERRA NOVA N. PARK NFLD	61656	20	48.47	53.93	MOORED AUG 82.ON SITE.	
75D	TERRA NOVA N. PARK NFLD	62552	10	48.47	53.93	DEL NOV 82.ON SITE.	
75E	TERRA NOVA N. PARK NFLD	62508	20	48.47	53.93	DEL NOV 82.ON SITE.	
75F	TERRA NOVA N. PARK NFLD	62540	33	48.47	53.93	DEL NOV 82.ON SITE.	
76A	DEER HBR TRINITY B NFLD	62449	N/R	47.87	53.70	AP-OCT82.LOST ON RECOVERY	
76B	DEER HBR TRINITY B NFLD	62451	N/R	47.87	53.70	AP - OCT.LOST ON RECOVERY	
76C	DEER HBR TRINITY B NFLD	62454	N/R	47.87	53.70	AP - OCT.LOST ON RECOVERY	
76D	DEER HBR TRINITY B NFLD	62455	N/R	47.87	53.70	AP - OCT.LOST ON RECOVERY	
77A	SUNNYSIDE NFLD	61685	33	47.85	53.92	Oct 1/1981	Mar 3/1982
77B	SUNNYSIDE NFLD	61639	10	47.85	53.92	Mar 2/1982	Jun 22/1982
77C	SUNNYSIDE NFLD	62470	10	47.85	53.92	Jun 22/1982	Oct 5/1982
77D	SUNNYSIDE NFLD	62465	20	47.85	53.92	Jun 22/1982	Oct 5/1982
77E	SUNNYSIDE NFLD	62464	33	47.85	53.92	Jun 22/1982	Oct 6/1982
77F	SUNNYSIDE NFLD	61625	10	47.85	53.92	DEL SEP 82.ON SITE.	
77G	SUNNYSIDE NFLD	62493	20	47.85	53.92	DEL SEP 82.ON SITE.	
77H	SUNNYSIDE NFLD	60860	33	47.85	53.92	DEL SEP 82.ON SITE.	
78A	LOGY BAY NFLD	N/R	35	47.58	52.67	Aug 30/1981	Feb 26/1982
78B	LOGY BAY NFLD	62479	35	47.58	52.67	May 27/1982	Oct 18/1982
78C	LOGY BAY NFLD	62482	7	47.58	52.67	DEL JUL 82.REP LOST NOV.	
78D	LOGY BAY NFLD	60737	16	47.58	52.67	DEL OCT 82.ON SITE.	
79A	HOLYROOD NFLD	60914	12	47.42	53.17	Nov 30/1980	Jan 29 /1981
79B	HOLYROOD NFLD	61691	10	47.42	53.17	Jun 4/1981	Sep 5/1981
79C	HOLYROOD NFLD	61691	12	47.42	53.17	Sep 7/1981	Feb 5/1982
79D	HOLYROOD NFLD	61635	30	47.42	53.17	May 20/1982	Nov 11 /1982
79E	HOLYROOD NFLD	60461	10	47.42	53.17	Jul 13/1982	Dec 7/1982
80	ST. CROIX BAY NFLD	N/R	6	47.42	53.83	Jul 25/1978	Aug 18/1978

Table 2 (Cont'd)

Index of RYAN data 1983/02/08. 21.12.29 Page 2

Sta.	Name	Serial	Dep.	Lat.	Long.	Start Time	Stop Time
81A	COLINET NFLD	62461	6	47.19	53.58	Jun 7/1982	Oct 12/1982
81B	COLINET NFLD	62478	16	47.19	53.58	Jun 7/1982	Jun 20/1982
81C	COLINET NFLD	62492	16	47.19	53.58	Oct 14/1982	Dec 6/1982
81D	COLINET NFLD	62494	6	47.19	53.58	Oct 14/1982	Dec 6/1982
81E	COLINET NFLD	61031	6	47.19	53.58	DEL NOV 82.ON SITE.	
81F	COLINET NFLD	61049	16	47.19	53.58	DEL NOV 82.ON SITE.	
82A	SHAG ROCKS NFLD	N/R	6	47.42	53.83	Apr 13/1979	May 14/1979
82B	SHAG ROCKS NFLD	N/R	12	47.42	53.83	May 10/1979	Jul 13/1979
82C	SHAG ROCKS NFLD	N/R	12	47.42	53.83	Sep 5/1979	Dec 10/1979
82D	SHAG ROCKS NFLD	60910	9	47.42	53.83	Feb 3/1982	Jul 15/1982
82E	SHAG ROCKS NFLD	61044	9	47.42	53.83	Feb 3/1982	Jul 13/1982
82F	SHAG ROCKS NFLD	62510	9	47.42	53.83	Jul 16/1982	Nov 24/1982
82G	SHAG ROCKS NFLD	62541	9	47.42	53.83	Jul 16/1982	Oct 16/1982
82H	SHAG ROCKS NFLD	62542	N/R	47.42	53.83	DEL NOV 82.ON SITE.	
82I	SHAG ROCKS NFLD	61052	N/R	47.42	53.83	DEL NOV 82.ON SITE.	
83A	SPENCERS COVE NFLD	61681	9	47.67	54.08	Nov 18/1981	May 11/1982
83B	SPENCERS COVE NFLD	61682	9	47.67	54.08	Nov 18/1981	May 11/1982
83C	SPENCERS COVE NFLD	62499	9	47.67	54.08	May 11/1982	Oct 30/1982
83D	SPENCERS COVE NFLD	62452	9	47.67	54.08	May 11/1982	Oct 9/1982
84A	ARNOLDS COVE NFLD	61688	9	47.75	54.00	Jan 26/1982	Feb 24/1982
84B	ARNOLDS COVE NFLD	61633	9	47.75	54.00	Jan 26/1982	Apr 21/1982
84C	ARNOLDS COVE NFLD	62542	9	47.75	54.00	Apr 21/1982	Sep 14/1982
84D	ARNOLDS COVE NFLD	62544	9	47.75	54.00	Apr 22 /1982	Sep 14 /1982
84E	ARNOLDS COVE NFLD	61688	N/R	47.75	54.00	DEL SEP 82.ON SITE.	
84F	ARNOLDS COVE NFLD	61473	N/R	47.75	54.00	DEL SEP 82.ON SITE.	
84G	ARNOLDS COVE NFLD	62483	N/R	47.75	54.00	DEL NOV 82.ON SITE.	
84H	ARNOLDS COVE NFLD	62459	N/R	47.75	54.00	DEL NOV 82.ON SITE.	
85A	GARDEN COVE NFLD	61671	10	47.84	54.16	Apr 16/1982	Jul 21/1982
85B	GARDEN COVE NFLD	61463	10	47.84	54.16	Apr 16/1982	Aug 14/1982
85C	GARDEN COVE NFLD	61468	10	47.84	54.16	Aug 19 /1982	Oct 8 /1982
85D	GARDEN COVE NFLD	62489	10	47.84	54.16	Aug 19/1982	Dec 5/1982
85E	GARDEN COVE NFLD	61666	N/R	47.84	54.16	DEL DEC 82.ON SITE.	
85F	GARDEN COVE NFLD	62502	N/R	47.84	54.16	DEL DEC 82.ON SITE.	
86A	LITTLE BAY MORTIER NFLD	60989	6	47.16	55.11	Mar 7/1982	Aug 12/1982
86B	LITTLE BAY MORTIER NFLD	62488	N/R	47.16	55.11	DEL AUG 82.ON SITE.	
87A	HEADWATER POND NFLD	62448	2	48.28	55.49	May 12/1982	Oct 20/1982
87B	HEADWATER POND NFLD	N/R	1	48.28	55.49	May 12/1981	Oct 14/1981
87C	HEADWATER POND NFLD	62449	N/R	48.28	55.49	DEL AP 82.REP LOST OCT.	
88	SPRUCE POND NFLD	N/R	1	48.32	55.47	May 12/1988	Oct 14/1988

N/R information not reported
DEL instrument delivered

Table 3
Summary of data return and loss

Deployments	79
Instruments lost	6
Usable data	6903 days
Unusable or missing data	164 days
Average mooring period	97 days
Instruments lost x average mooring period	583 days
Instruments with mechanical or electrical failure	2
% data return (lost instruments omitted)	97.7%
% data return (lost instruments included)	90.2%

Table 4

Monthly degree calculations relative to 0°C

LOCATION		1981				1982														
		Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
Westport	(4)												87a	160	260				
-	(35)															307	239	129a	
Harry's Harbour	(5)												132	198	253				
Comfort Cove	(9)					99a	57	7			1a	23	55	256	368	353	246	136	28a
Hillgrade	(23)												140	338	440	348	216	131a	
Stock Cove	(9)					127a	86	11				58	151	226	316	349	262	140	43a
Savage Bay	(37)												152a	254	357				
-	(16)															346	249	168a	
Terra Nova	(36)														121a	278	274	177a	
Sunnyside	(33)				240	168	96	22					118a	24	66	212			
-	(10)									1a	1	71	195	86	153	291			
	(20)												165a	64	107	276			
Logy Bay	(35)			160	222	154	111	48	7a				63	69	59	158	245a		
Holyrood	(10)	193	319											212a	243	323	307	186	
-	(12)			331a	249	157	108	21											
-	(30)											94a	173	185	240	322	310	224a	

Table 4 (Cont'd)

LOCATION		1981						1982											
		Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
Colinet	(6)												161*				246*	224	
"	(16)												116*				241*	209	
Shag Rocks	(9)								1		7	54	134	269	412	374	237	175*	
Spencer's Cove	(9)					182*	137	43			13	48	171	333	446	413	277*		
Arnold's Cove	(9)								20	5	32	44	157	310	449	433*			
Garden Cove	(10)										22	32	162	301	425	418	241	201	
Little Bay Mortier	(6)										23	137	232	337	365*				
Headwater Pond	(2)											248*	392	540	534	421	251*		

( ) indicates instrument depth

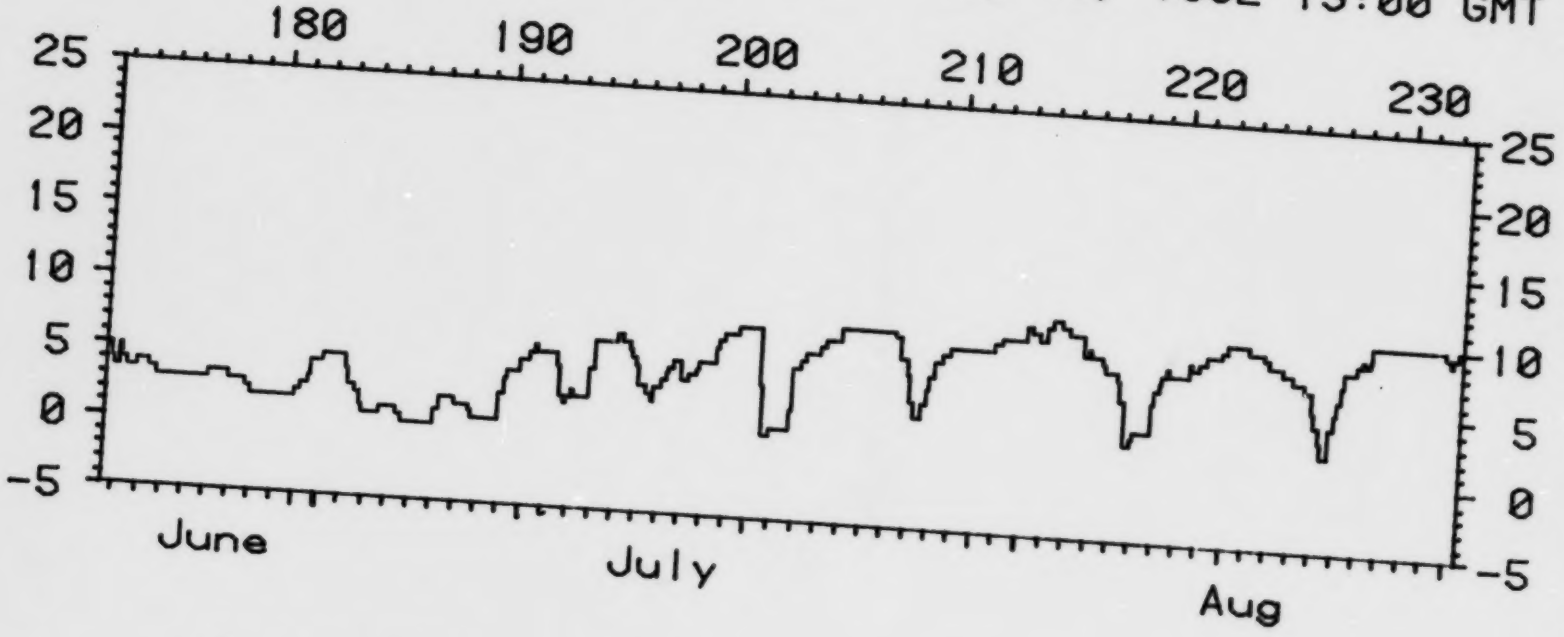
* indicates monthly degree calculations based on less than a full month's record.

6. Newfoundland Area Temperature Plots

WESTPORT WHITE BAY NFLD

Pos. : 50.12, 56.60 Depth : 4.0 meters (Page 1)

June 21, 1982 13:00 GMT to Aug 20, 1982 13:00 GMT



Station 69

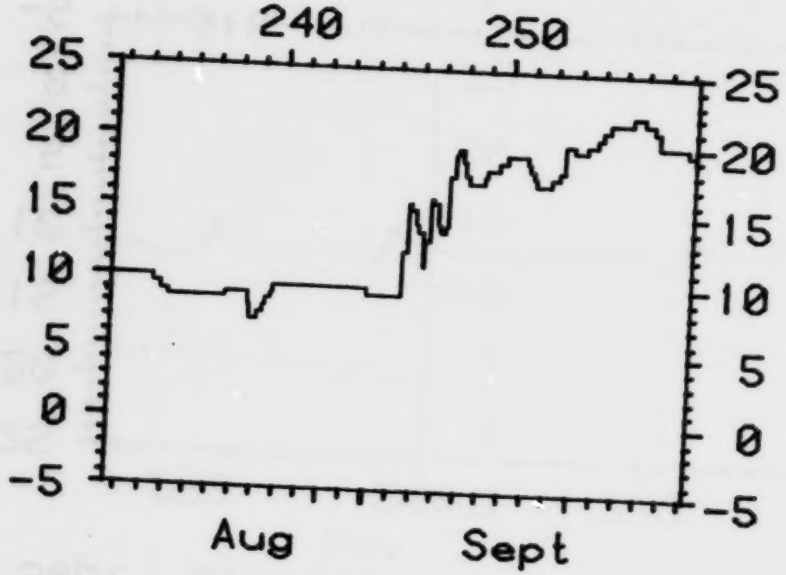
Instrument : 62469

INSTRUMENT 4 METERS BELOW SURFACE.

WESTPORT WHITE BAY NFLD

Pos. : 50.12, 56.60 Depth : 4.0 meters

Aug 20, 1982 13:00 GMT to Sept 15, 1982 05:00 GMT



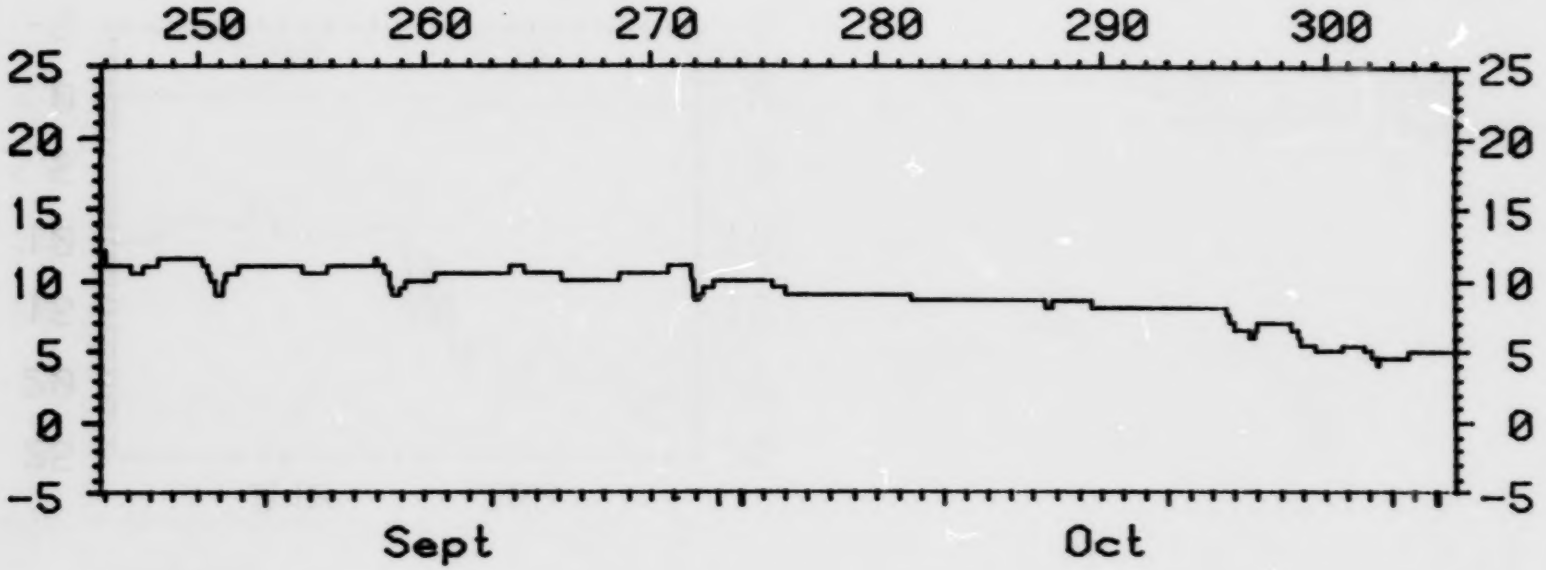
Instrument : 62469

INSTRUMENT 4 METERS BELOW SURFACE.

WESTPORT WHITE BAY NFLD (Page 1)

Pos. : 49.75, 56.63 Depth : 35.0 meters

Sept 2, 1982 19:00 GMT to Nov 1, 1982 19:00 GMT



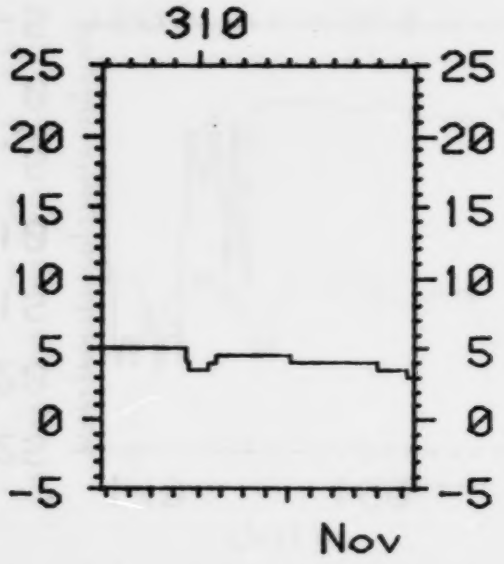
Instrument : 62487

13 Station 69B

WESTPORT WHITE BAY NFLD (Page 2)

Pos. : 49.75, 56.63 Depth : 35.0 meters

Nov 1, 1982 19:00 GMT to Nov 15, 1982 15:00 GMT

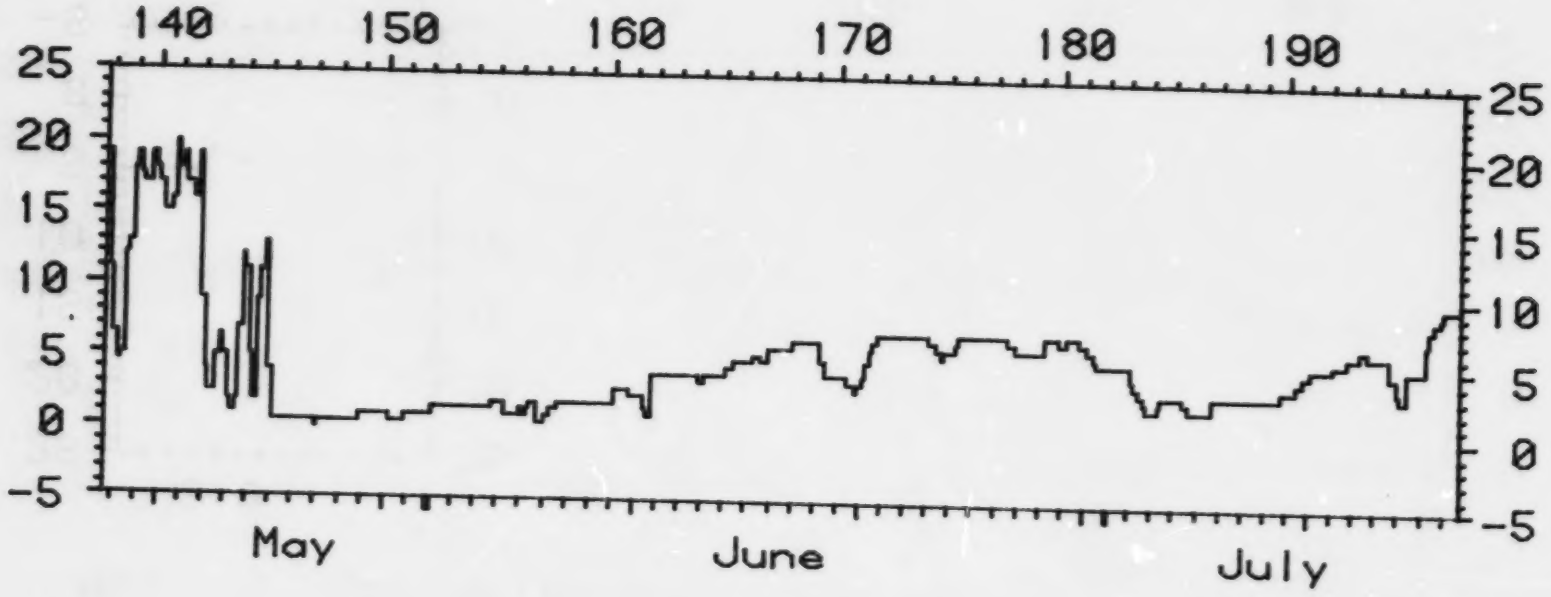


Instrument : 62487

HARRYS HARBOR GREEN BAY NFLD (Page 1)

Pos. : 49.72, 55.88 Depth : 5.0 meters

May 17, 1982 18:00 GMT to July 16, 1982 18:00 GMT



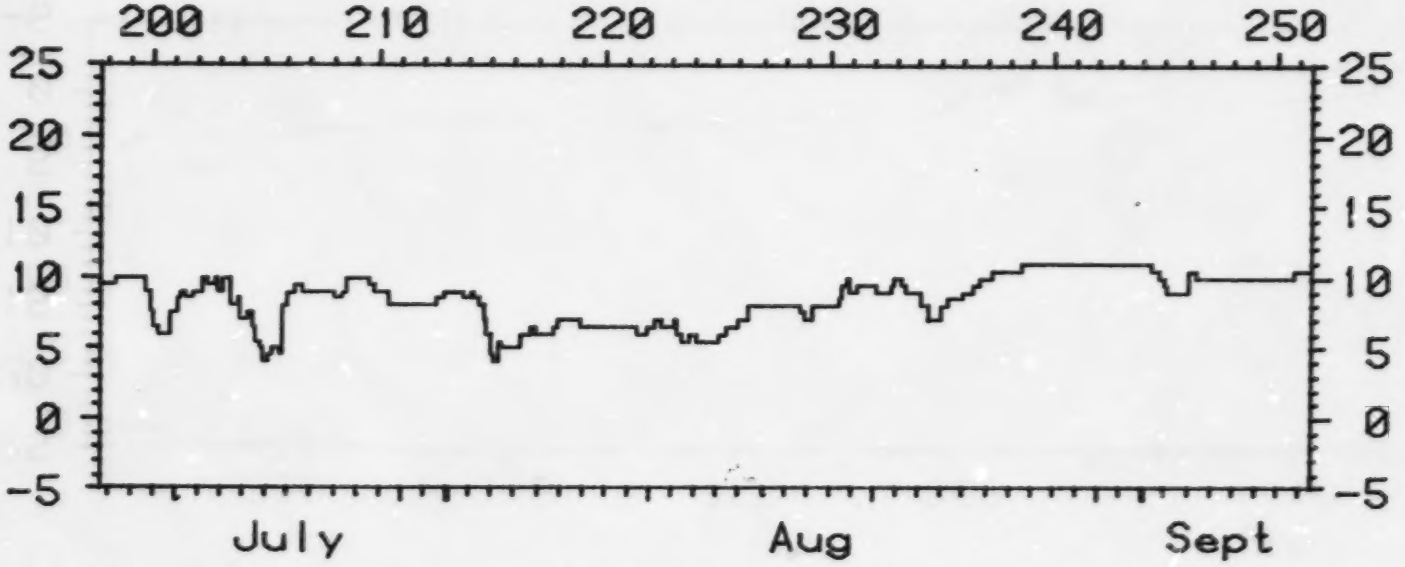
Instrument : 62471

Station 70A

HARRYS HARBOR GREEN BAY NFLD (Page 2)

Pos. : 49.72, 55.88 Depth : 5.0 meters

July 16, 1982 18:00 GMT to Sept 8, 1982 14:00 GMT

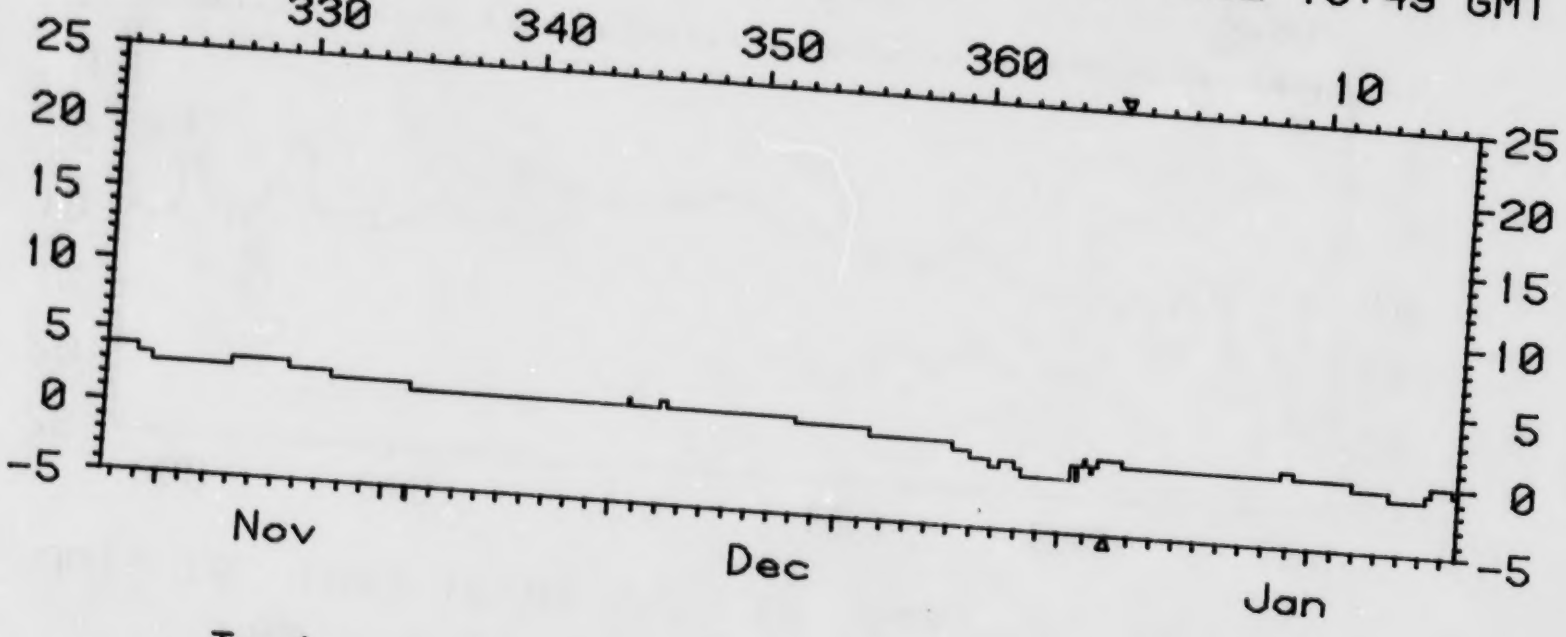


Instrument : 62471

COMFORT COVE NFLD

Pos. : 49.41, 54.83 Depth : 9.0 meters

Nov 17, 1981 13:49 GMT to Jan 16, 1982 13:49 GMT



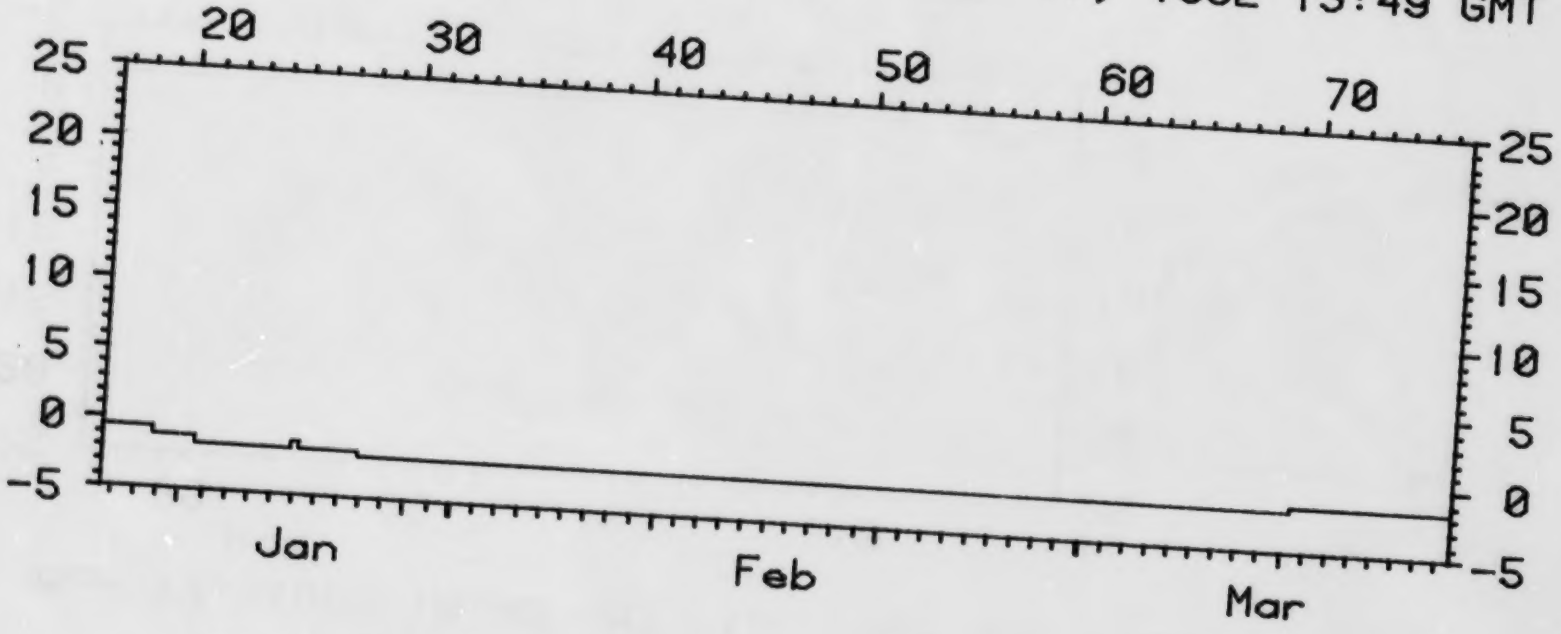
Instrument : 61654

Station 71A

COMFORT COVE NFLD

Pos. : 49.41, 54.83 Depth : 9.0 meters

Jan 16, 1982 13:49 GMT to Mar 17, 1982 13:49 GMT

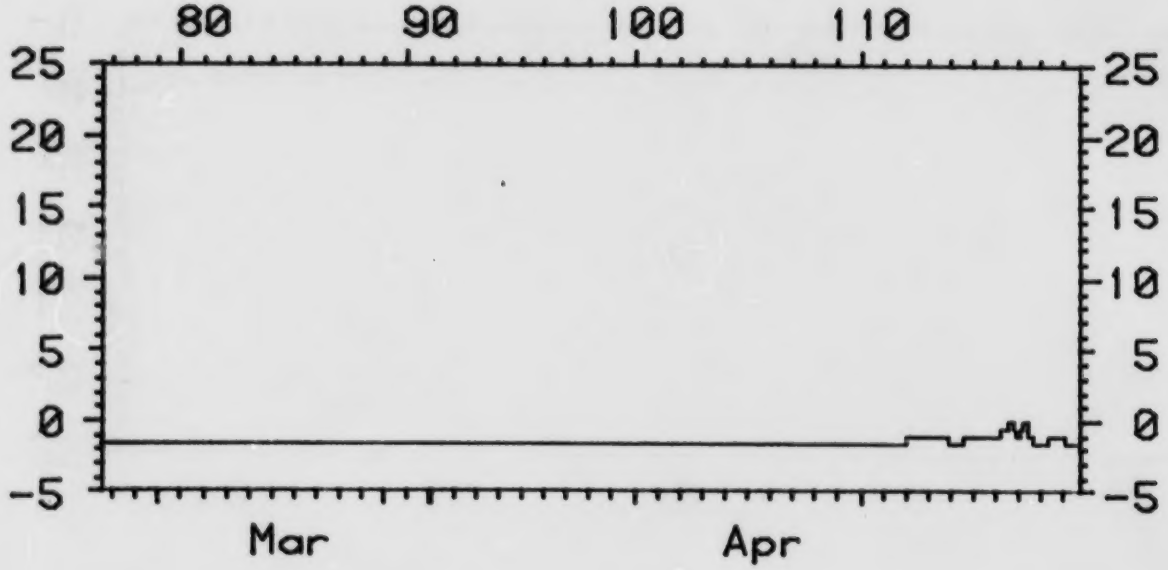


Instrument : 61654

COMFORT COVE NFLD (Page 3)

Pos. : 49.41, 54.83 Depth : 9.0 meters

Mar 17, 1982 13:49 GMT to Apr 29, 1982 17:49 GMT



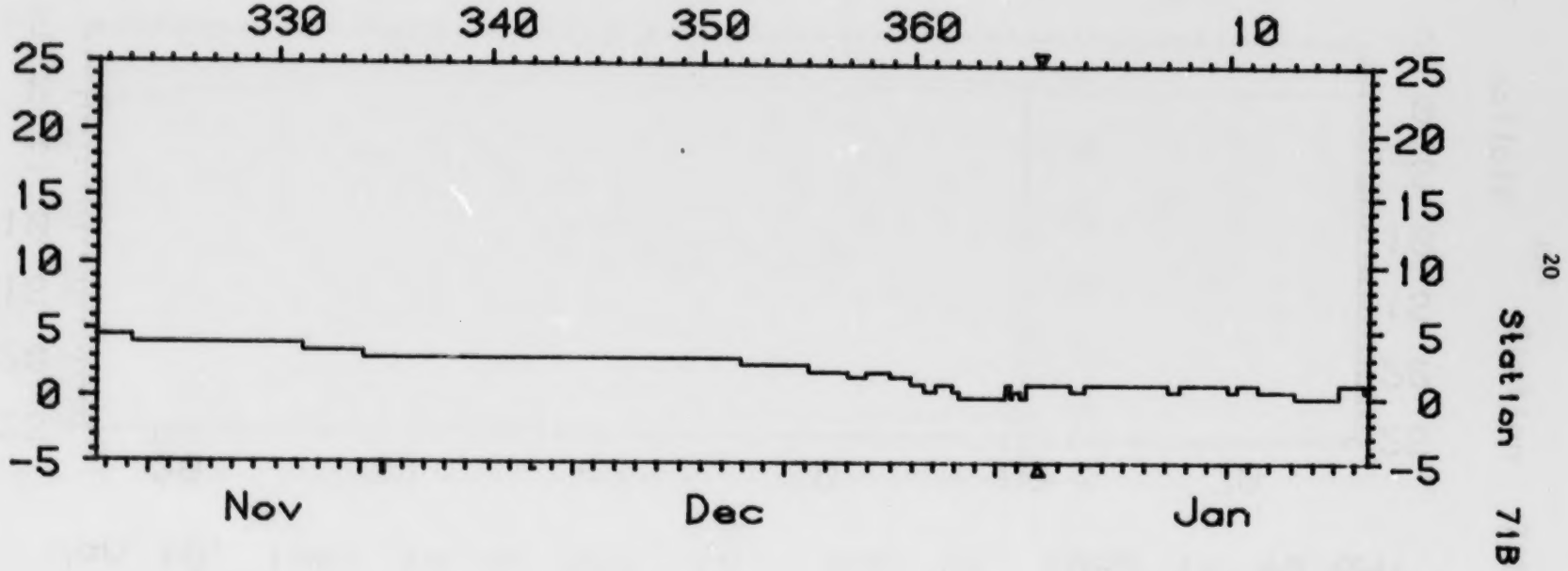
Instrument : 61654

Station 71A (Continued)

COMFORT COVE NFLD (Page 1)

Pos. : 49.41, 54.83 Depth : 9.0 meters

Nov 17, 1981 14:49 GMT to Jan 16, 1982 14:49 GMT

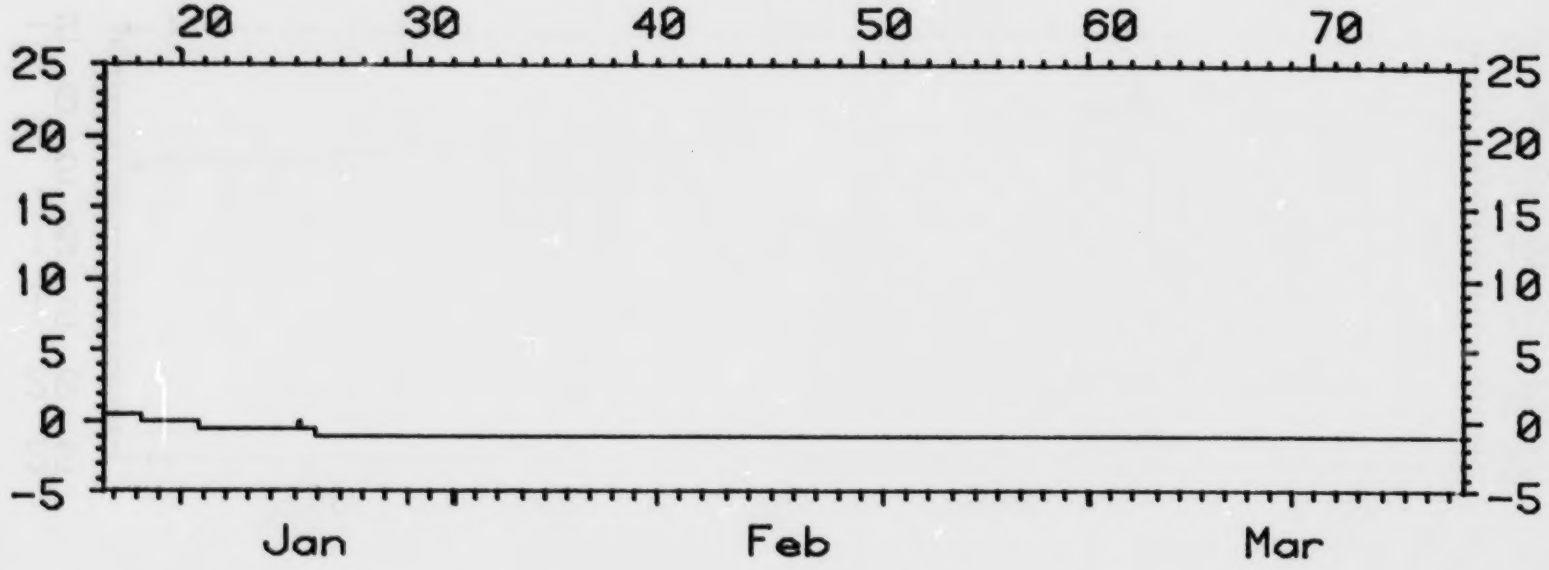


Instrument : 61471

COMFORT COVE NFLD (Page 2)

Pos. : 49.41, 54.83 Depth : 9.0 meters

Jan 16, 1982 14:49 GMT to Mar 17, 1982 14:49 GMT



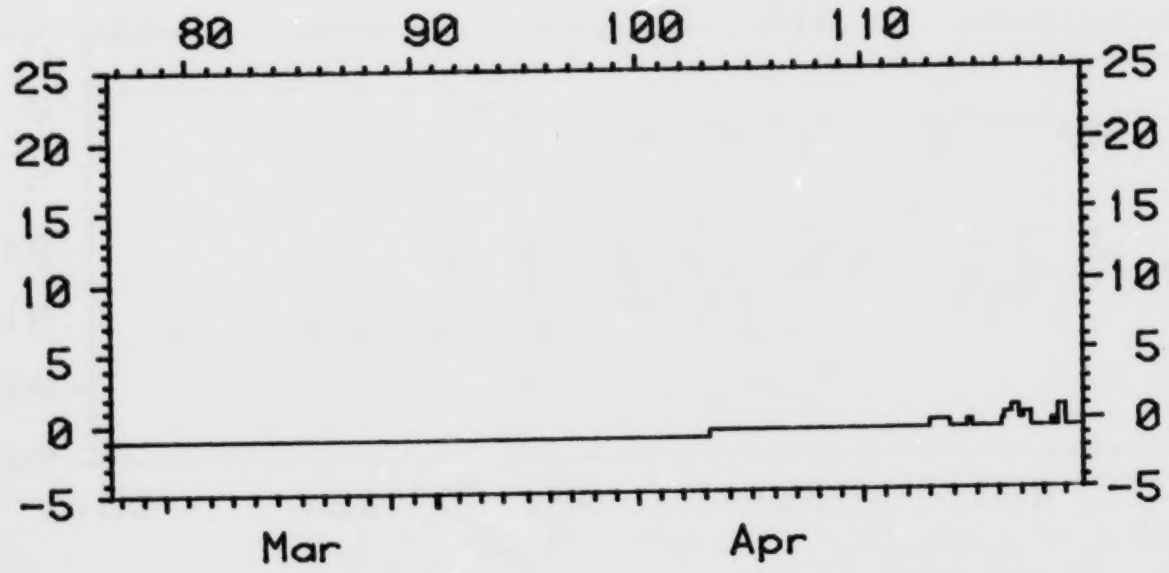
Instrument : 61471

Station 71B (Continued)

COMFORT COVE NFLD (Page 3)

Pos. : 49.41, 54.83 Depth : 9.0 meters

Mar 17, 1982 14:49 GMT to Apr 29, 1982 18:49 GMT



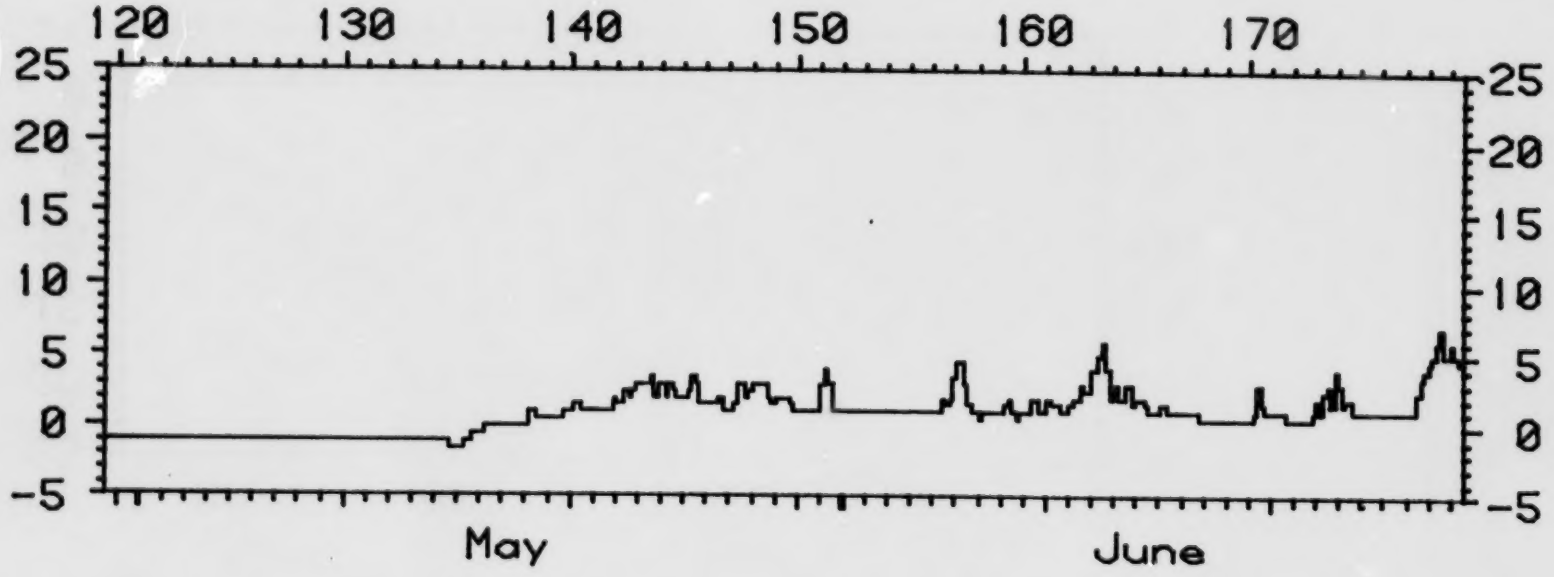
Instrument : 61471

Station 71B (Continued)

COMFORT COVE NFLD (Page 1)

Pos. : 49.41, 54.83 Depth : 9.0 meters

Apr 29, 1982 12:30 GMT to June 28, 1982 12:30 GMT



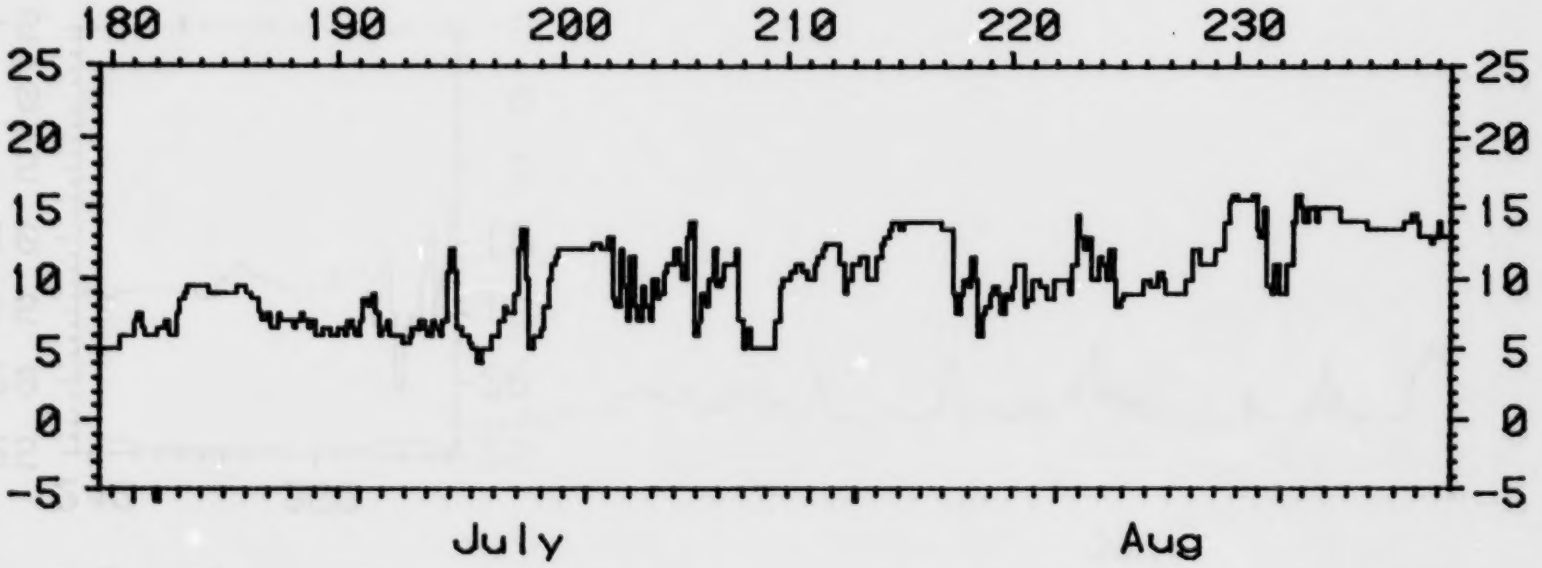
Instrument : 62553

Station 71C

COMFORT COVE NFLD (Page 2)

Pos. : 49.41, 54.83 Depth : 9.0 meters

June 28, 1982 12:30 GMT to Aug 27, 1982 12:30 GMT



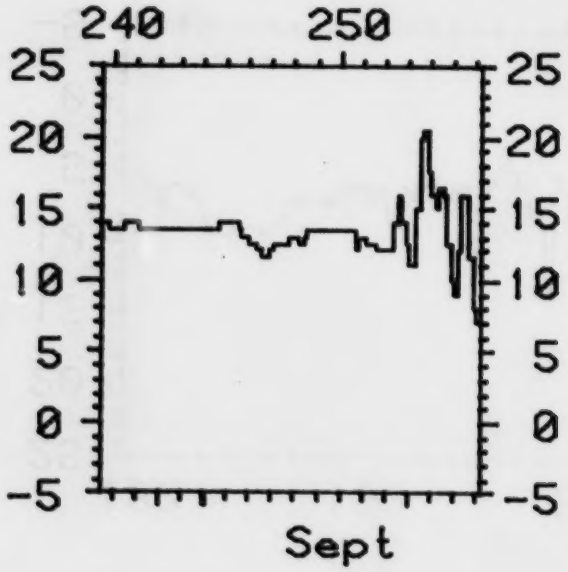
Instrument : 62553

Station 71C (Continued)

COMFORT COVE NFLD (Page 3)

Pos. : 49.41, 54.83 Depth : 9.0 meters

Aug 27, 1982 12:30 GMT to Sept 13, 1982 04:30 GMT



Instrument : 62553

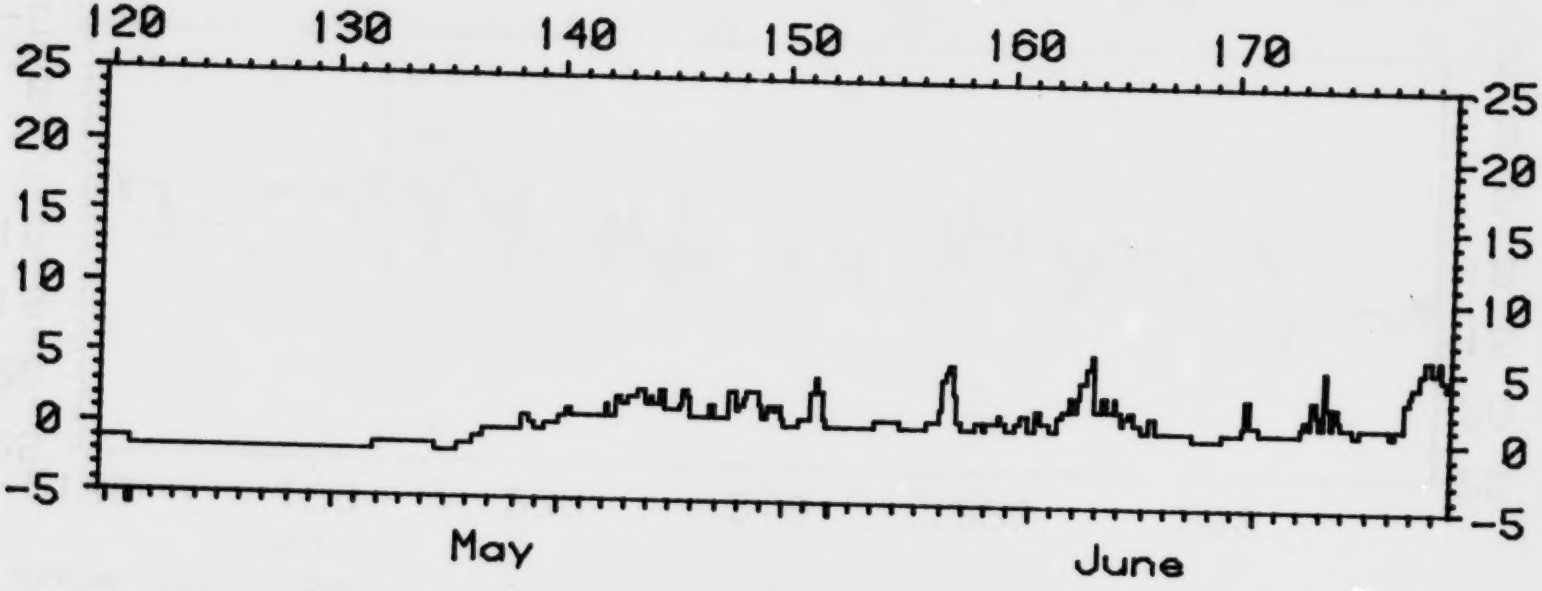
Station 71C (continued)

COMFORT COVE NFLD

(Page 1)

Pos. : 49.41, 54.83 Depth : 9.0 meters

Apr 29, 1982 17:30 GMT to June 28, 1982 17:30 GMT



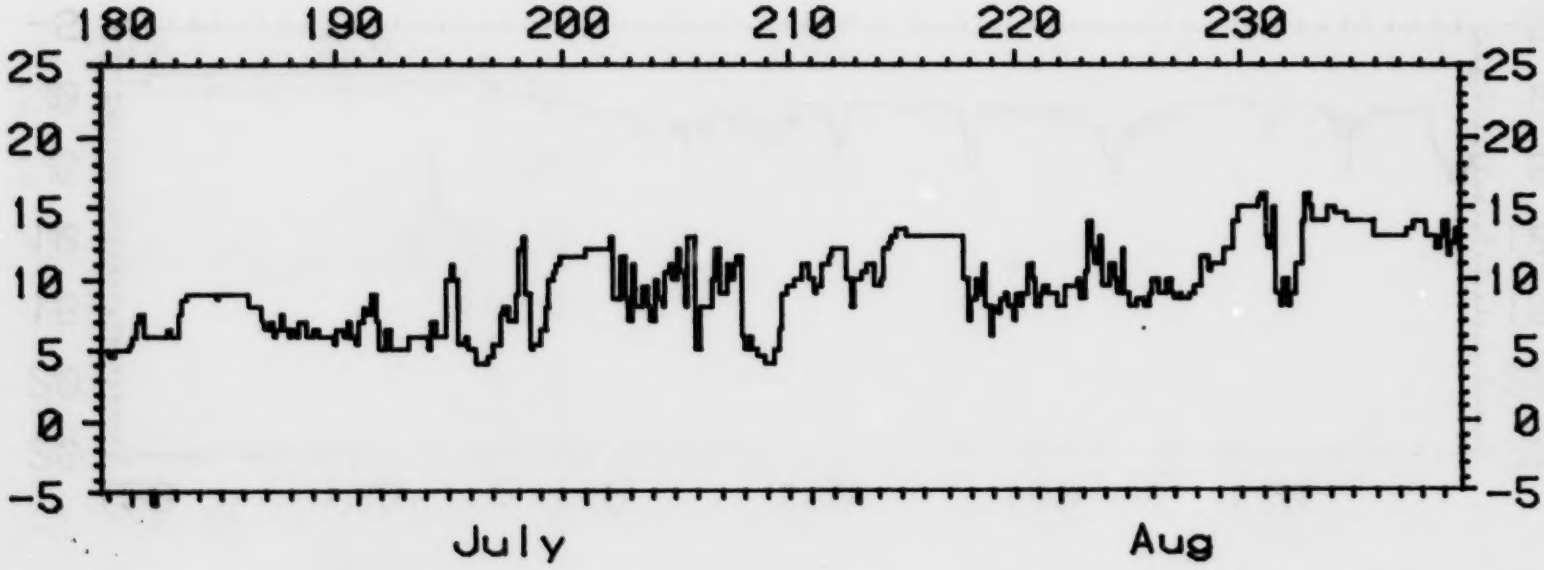
Instrument : 62507

Station 710

COMFORT COVE NFLD (Page 2)

Pos. : 49.41, 54.83 Depth : 9.0 meters

June 28, 1982 17:30 GMT to Aug 27, 1982 17:30 GMT



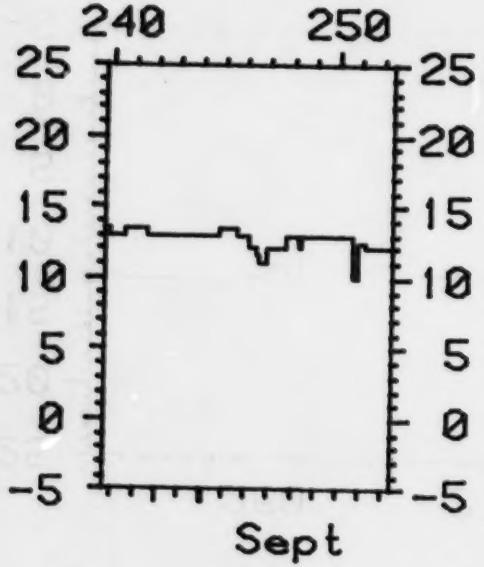
Instrument : 62507

Station 71D (continued)

COMFORT COVE NFLD (Page 3)

·Pos. : 49.41, 54.83 Depth : 9.0 meters

Aug 27, 1982 17:30 GMT to Sept 9, 1982 09:30 GMT



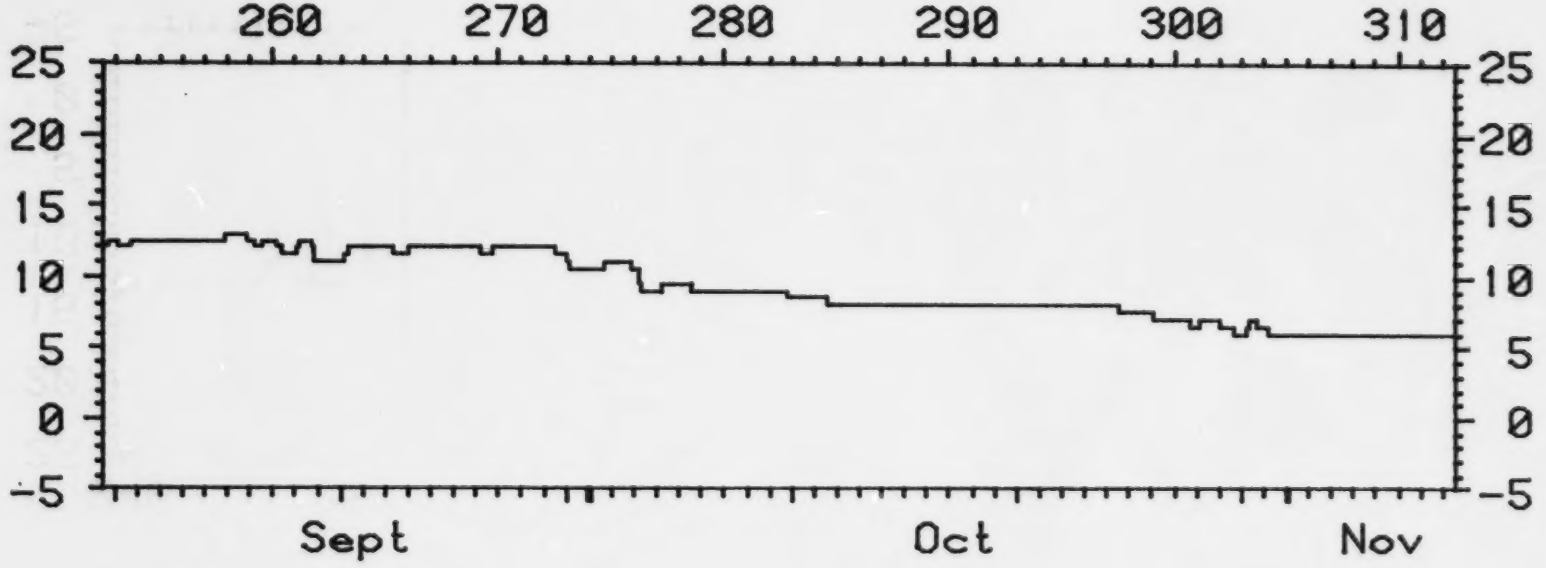
Instrument : 62507

Station 71D (Continued)

COMFORT COVE NFLD (Page 1)

Pos. : 49.41, 54.83 Depth : 9.0 meters

Sept 9, 1982 12:30 GMT to Nov 8, 1982 12:30 GMT



Station 71E

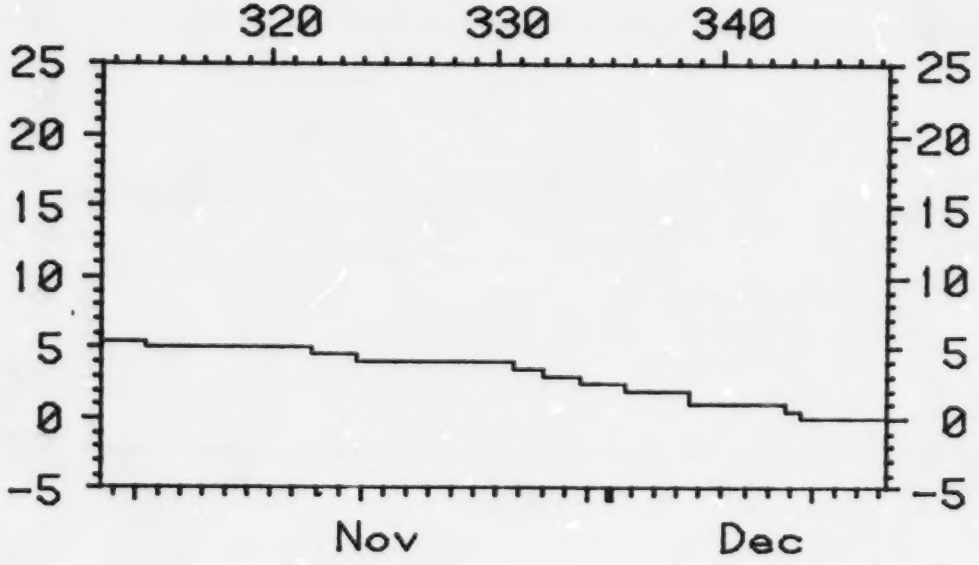
29

Instrument : 62484

COMFORT COVE NFLD (Page 2)

Pos. : 49.41, 54.83 Depth : 9.0 meters

Nov 8, 1982 12:30 GMT to Dec 13, 1982 08:30 GMT



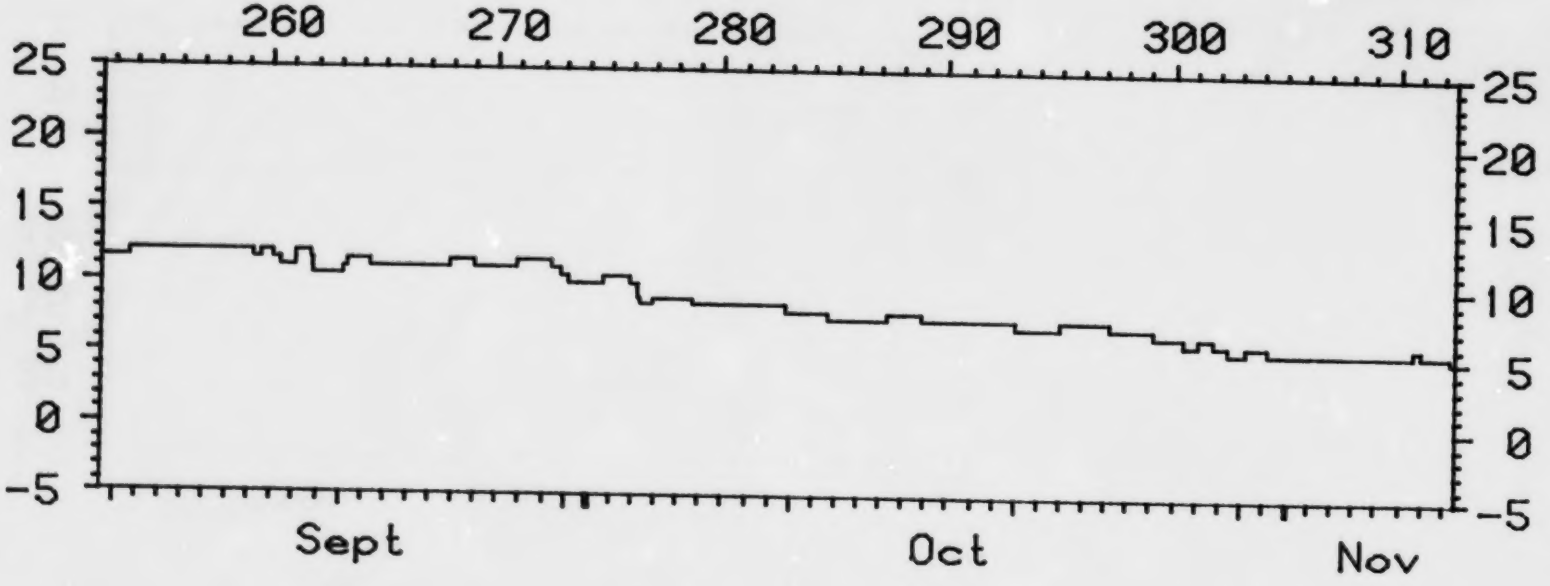
Instrument : 62484

Station 71E (continued)

COMFORT COVE NFLD

Pos. : 49.41, 54.83 Depth : 9.0 meters

Sept 9, 1982 12:30 GMT to Nov 8, 1982 12:30 GMT



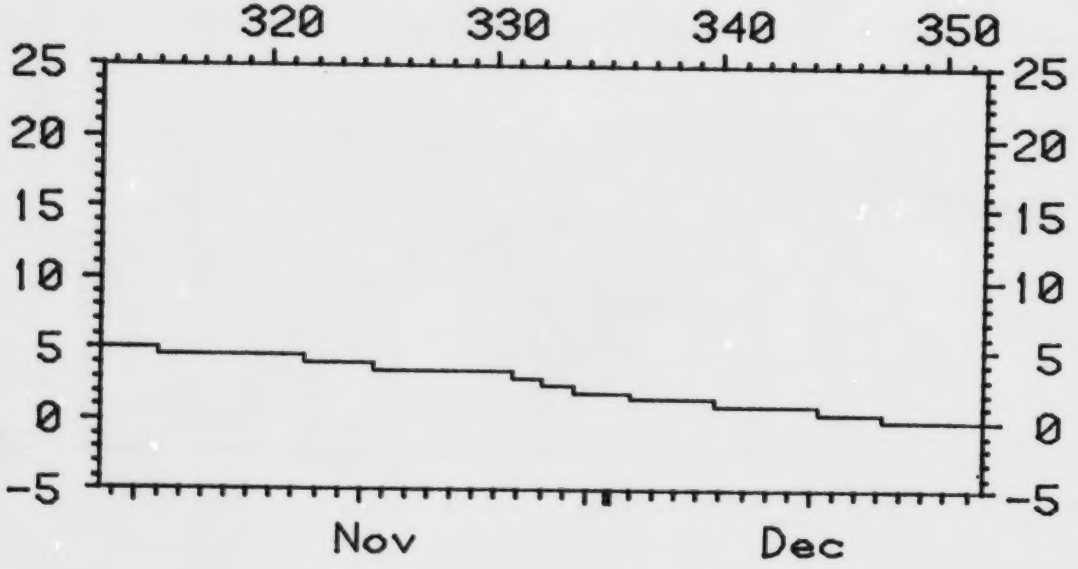
Instrument : 62486

Station 71F

COMFORT COVE NFLD (Page 2)

Pos. : 49.41, 54.83 Depth : 9.0 meters

Nov 8, 1982 12:30 GMT to Dec 17, 1982 16:30 GMT



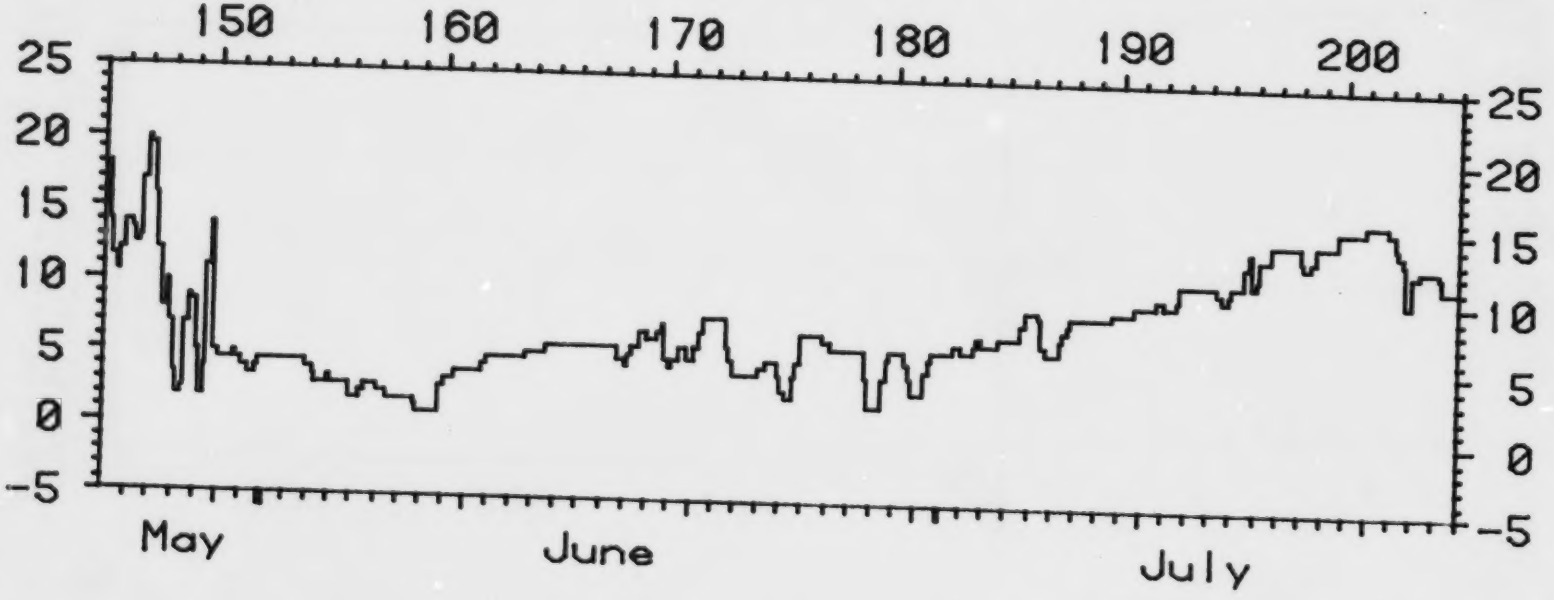
Instrument : 62486

Station 71F (continued)

HILLGRADE NFLD

Pos. : 49.58, 54.70 Depth : 23.0 meters

May 25, 1982 00:00 GMT to July 24, 1982 00:00 GMT



Instrument : 62468

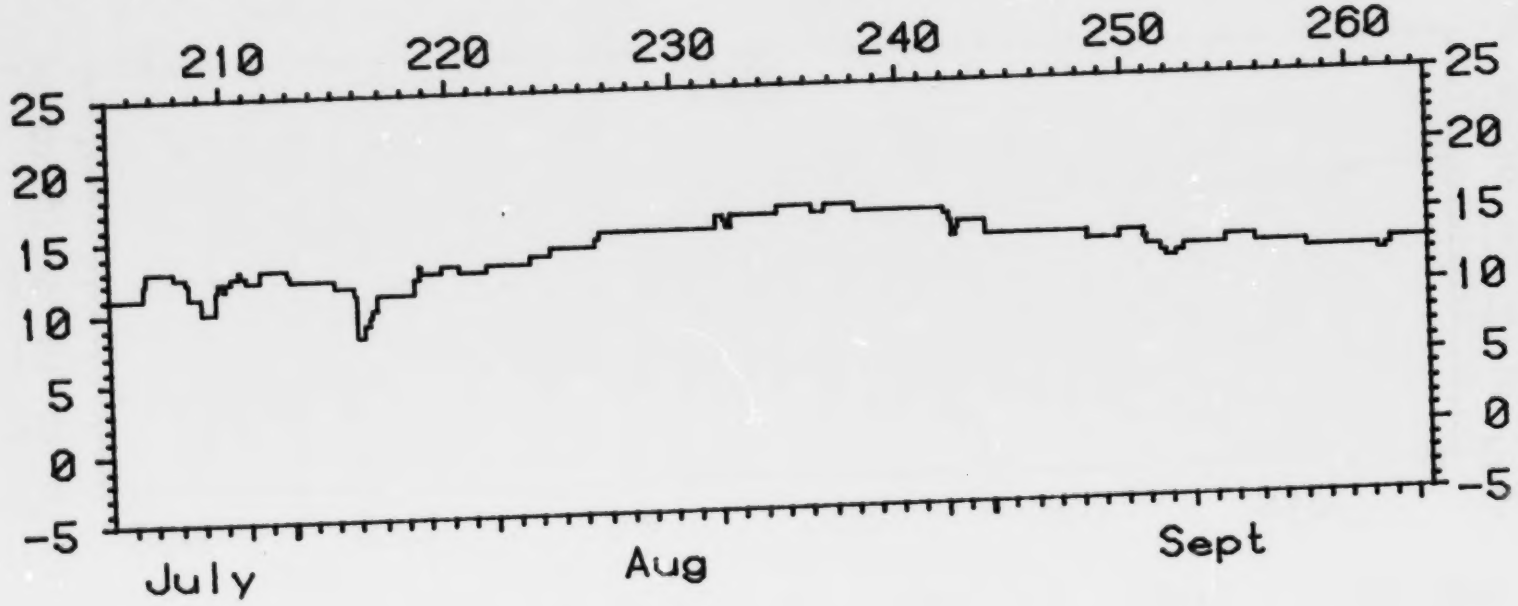
SLIGHT ERROR POSSIBLE IN RECORD START TIME.

Station 72A

HILLGRADE NFLD

Pos. : 49.58, 54.70 Depth : 23.0 meters

July 24, 1982 00:00 GMT to Sept 20, 1982 12:00 GMT



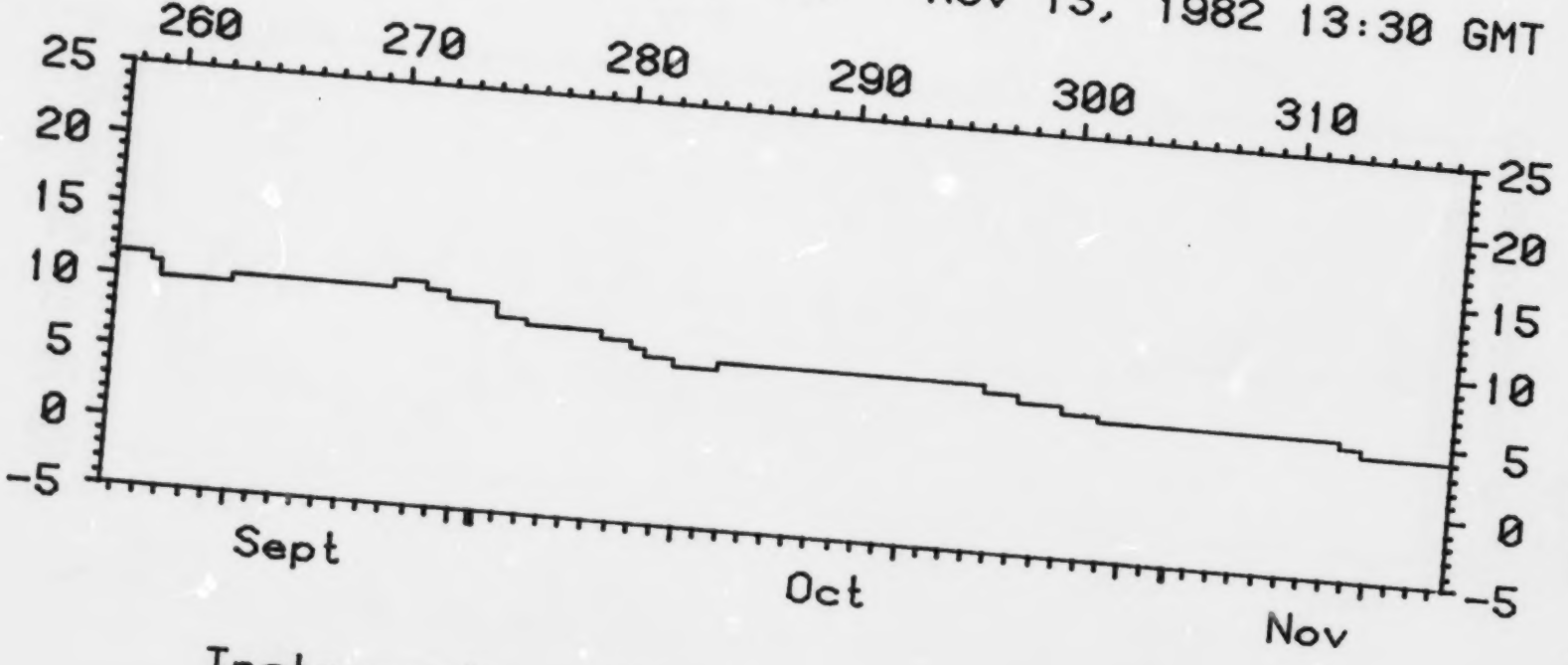
Instrument : 62468

SLIGHT ERROR POSSIBLE IN RECORD START TIME.

HILLGRADE NFLD

Pos. : 49.58, 54.70 Depth : 23.0 meters

Sept 14, 1982 13:30 GMT to Nov 13, 1982 13:30 GMT



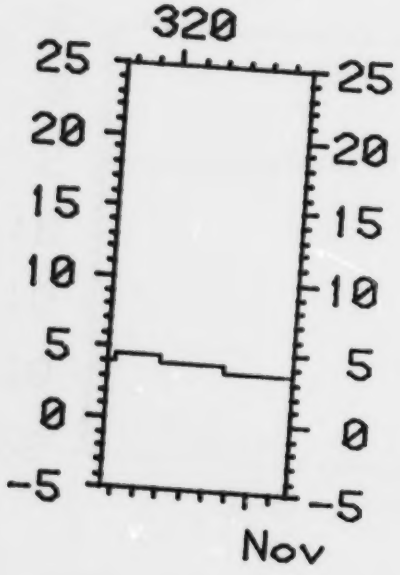
Instrument : 61633

Station 728

HILLGRADE NFLD

Pos. : 49.58, 54.70 Depth : 23.0 meters

Nov 13, 1982 13:30 GMT to Nov 21, 1982 17:30 GMT



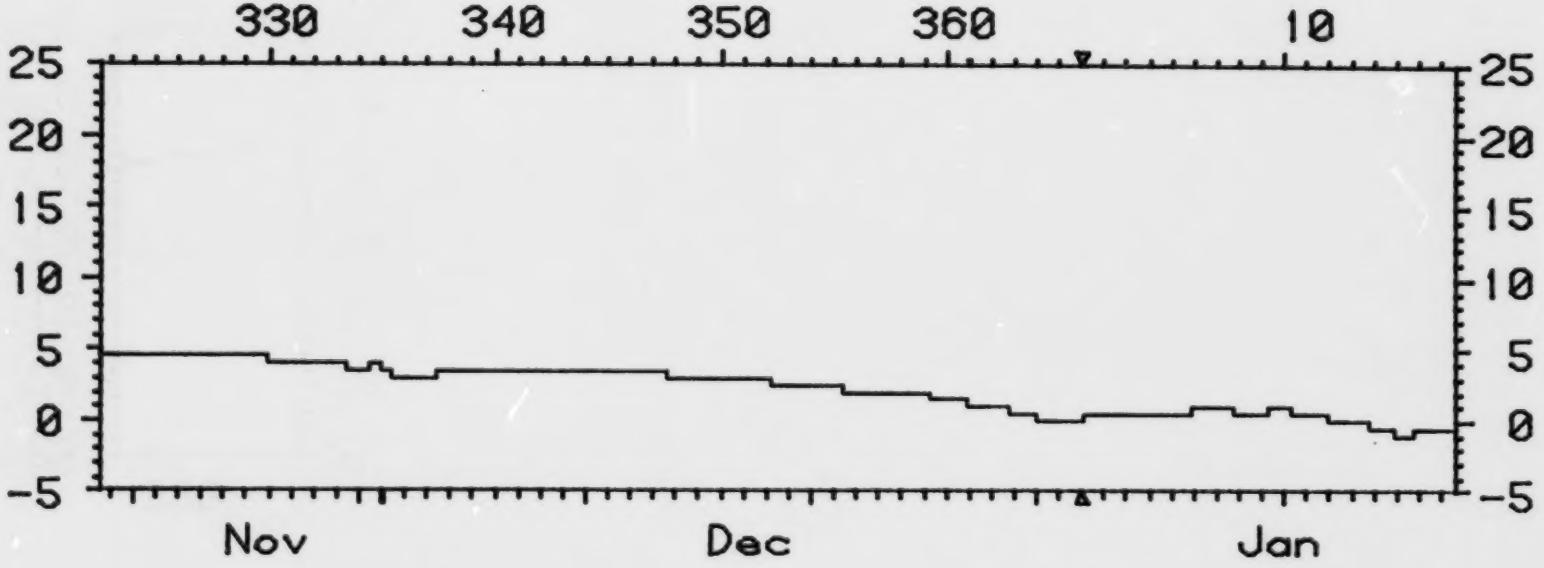
Instrument : 61633

Station 72B (continued)

STOCK COVE NFLD (Page 1)

Pos. : 48.71, 53.76 Depth : 9.0 meters

Nov 18, 1981 14:40 GMT to Jan 17, 1982 14:39 GMT



Instrument : 61666

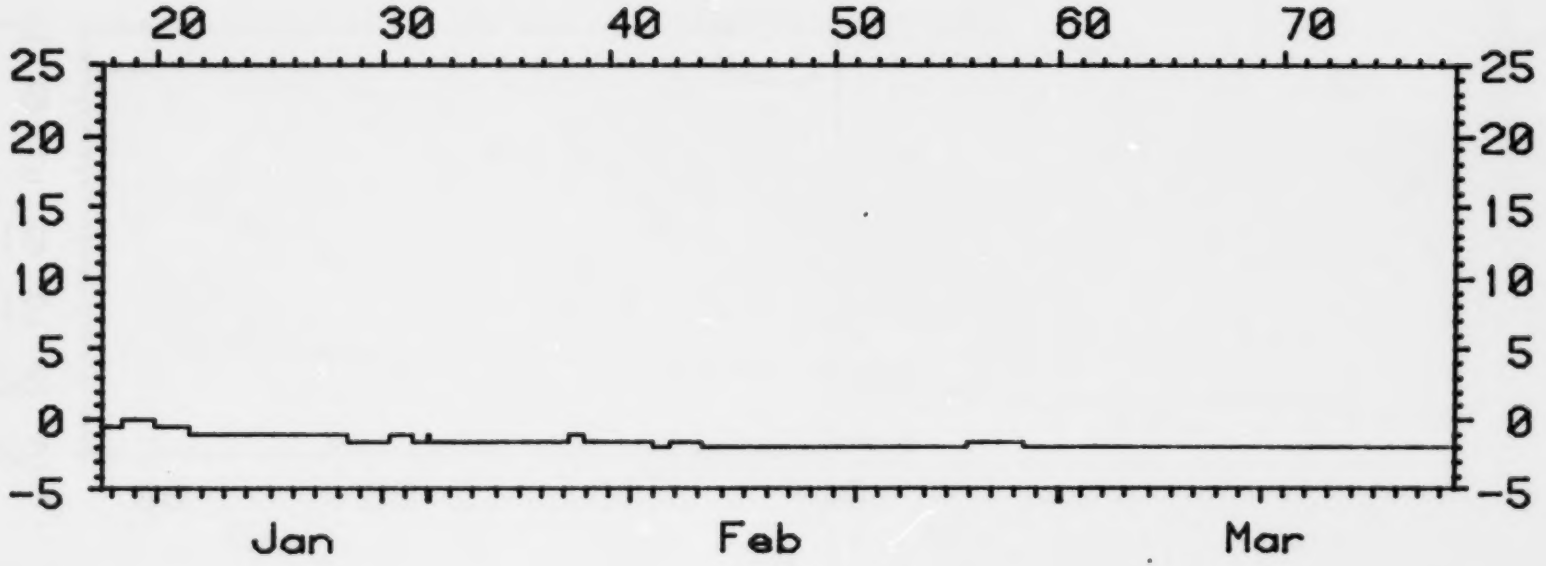
37

Station 73A

STOCK COVE NFLD (Page 2)

Pos. : 48.71, 53.76 Depth : 9.0 meters

Jan 17, 1982 14:39 GMT to Mar 18, 1982 14:39 GMT



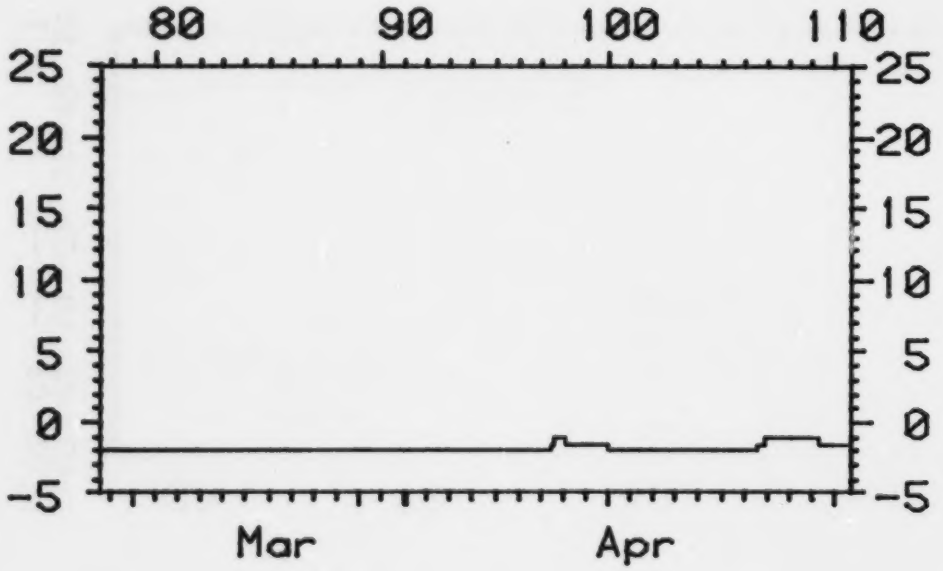
Instrument : 61666

Station 73A (continued)

STOCK COVE NFLD (Page 3)

Pos. : 48.71, 53.76 Depth : 9.0 meters

Mar 18, 1982 14:39 GMT to Apr 20, 1982 18:39 GMT



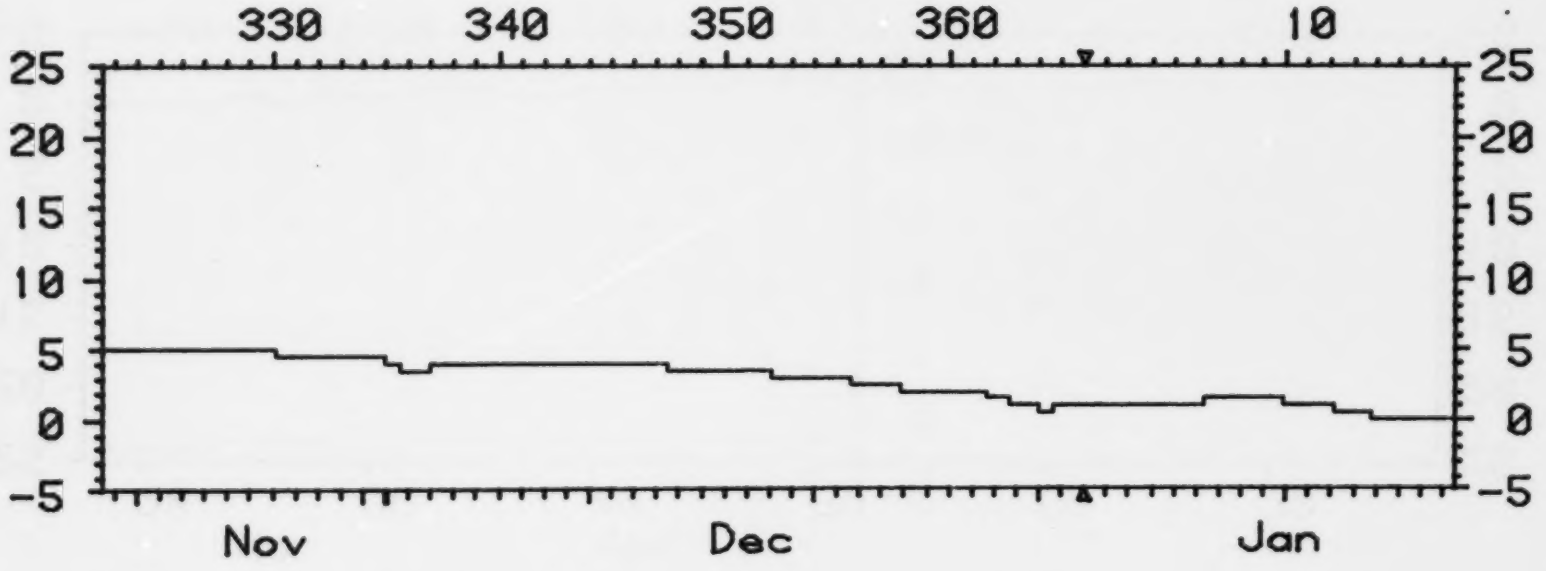
Instrument : 61666

Station 73A (continued)

STOCK COVE NFLD (Page 1)

Pos. : 48.71, 53.76 Depth : 9.0 meters

Nov 18, 1981 12:00 GMT to Jan 17, 1982 12:00 GMT

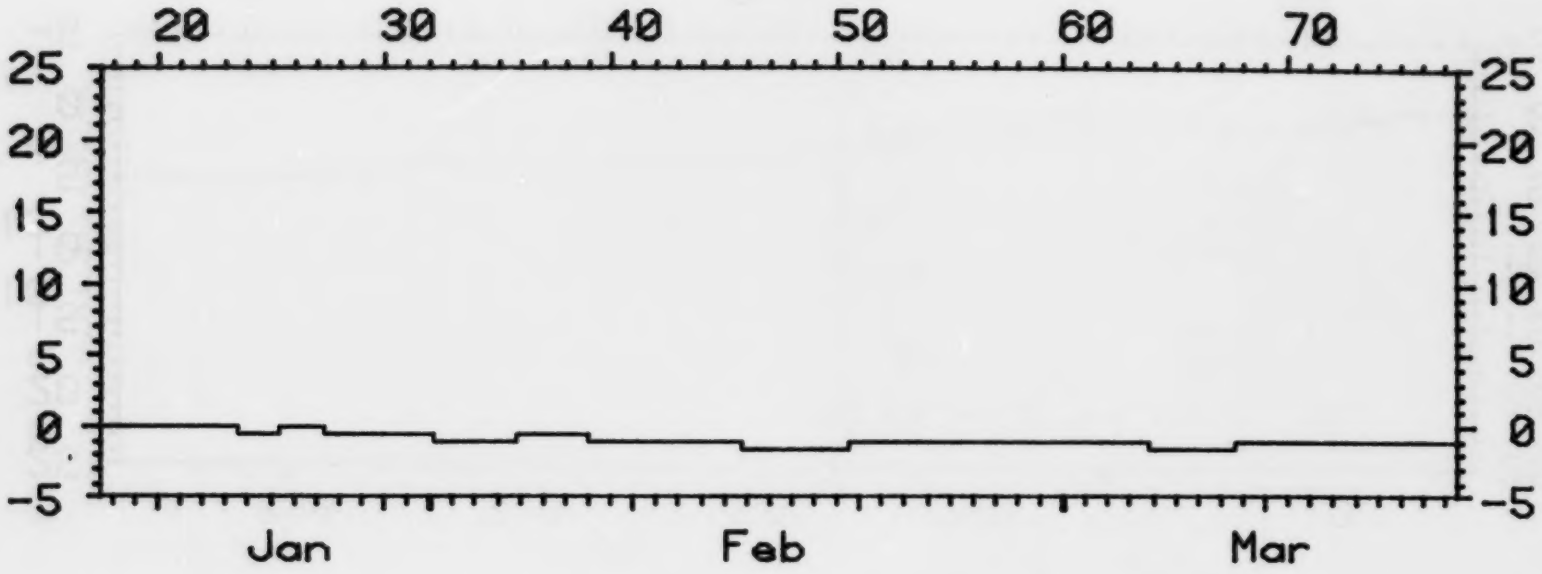


Instrument : 61675

STOCK COVE NFLD (Page 2)

Pos. : 48.71, 53.76 Depth : 9.0 meters

Jan 17, 1982 12:00 GMT to Mar 18, 1982 12:00 GMT



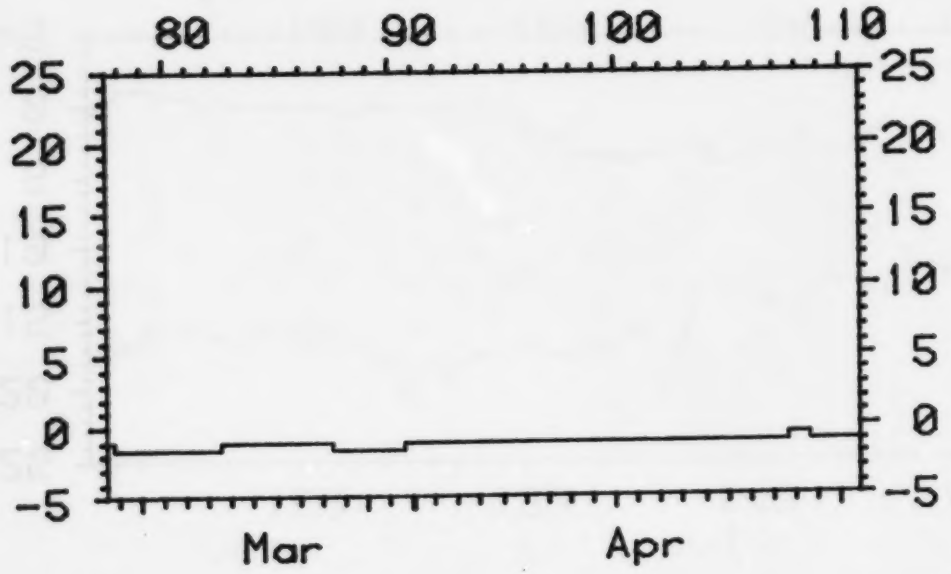
Instrument : 61675

Station 738 (continued)

STOCK COVE NFLD (Page 3)

Pos. : 48.71, 53.76 Depth : 9.0 meters

Mar 18, 1982 12:00 GMT to Apr 20, 1982 20:00 GMT



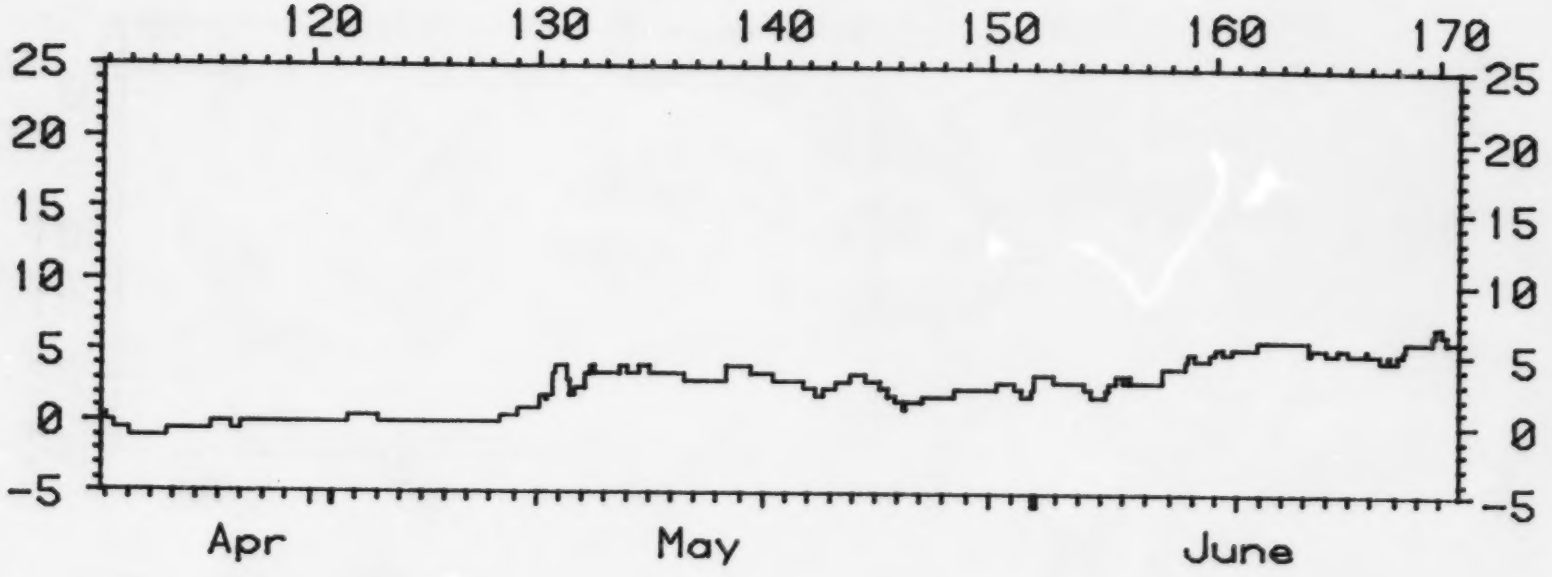
Instrument : 61675

Station 73B (continued)

STOCK COVE NFLD (Page 1)

Pos. : 48.71, 53.76 Depth : 9.0 meters

Apr 20, 1982 20:20 GMT to June 19, 1982 20:20 GMT



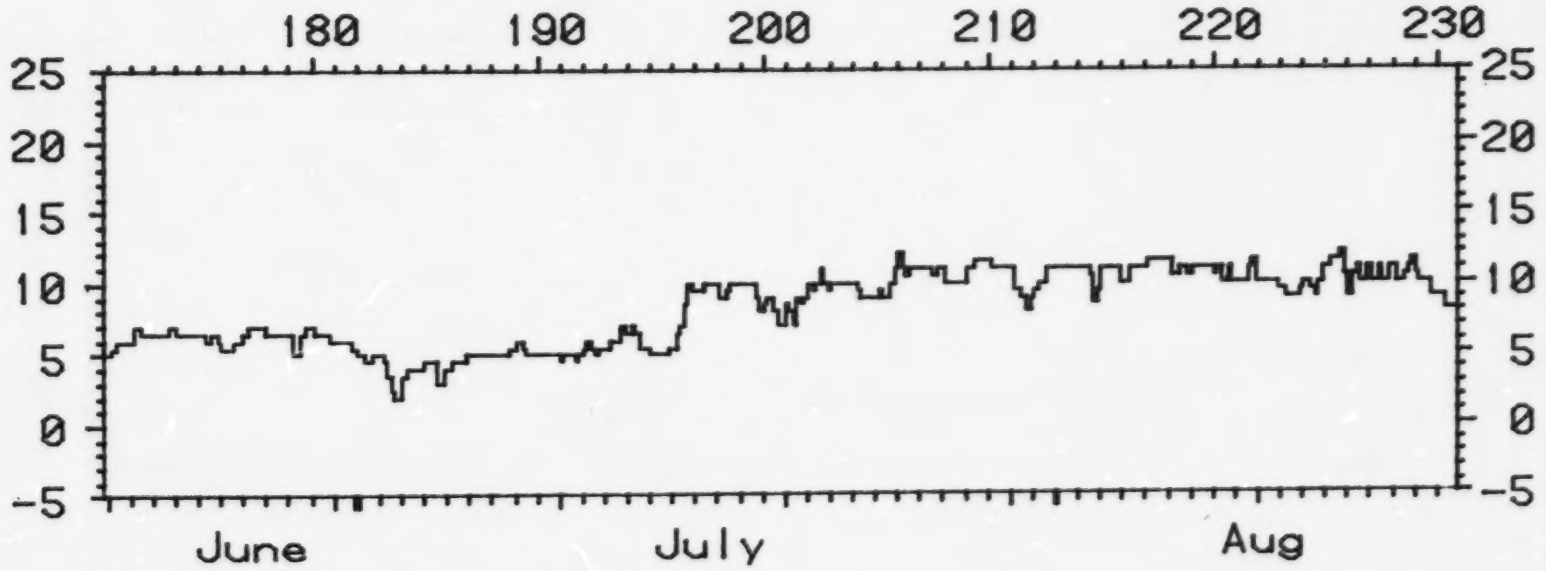
Instrument : 62508

Station 73C

STOCK COVE NFLD (Page 2)

Pos. : 48.71, 53.76 Depth : 9.0 meters

June 19, 1982 20:20 GMT to Aug 18, 1982 20:20 GMT



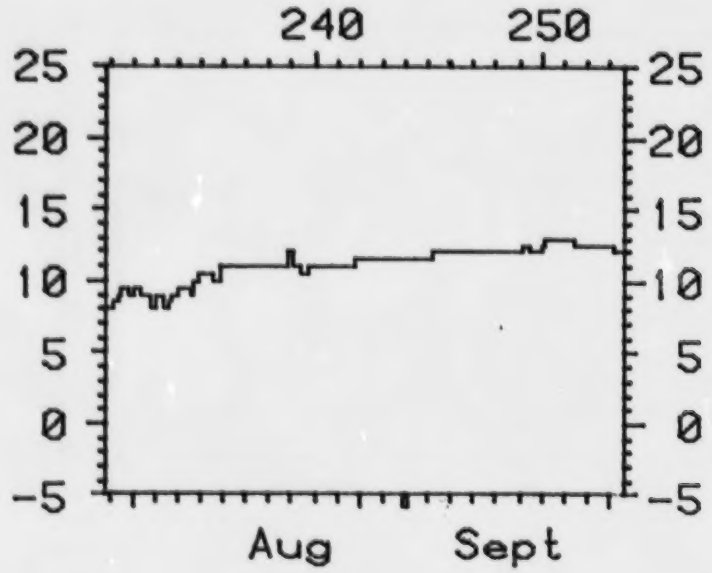
Instrument : 62508

Station 73C (continued)

STOCK COVE NFLD (Page 3)

Pos. : 48.71, 53.76 Depth : 9.0 meters

Aug 18, 1982 20:20 GMT to Sept 10, 1982 16:20 GMT



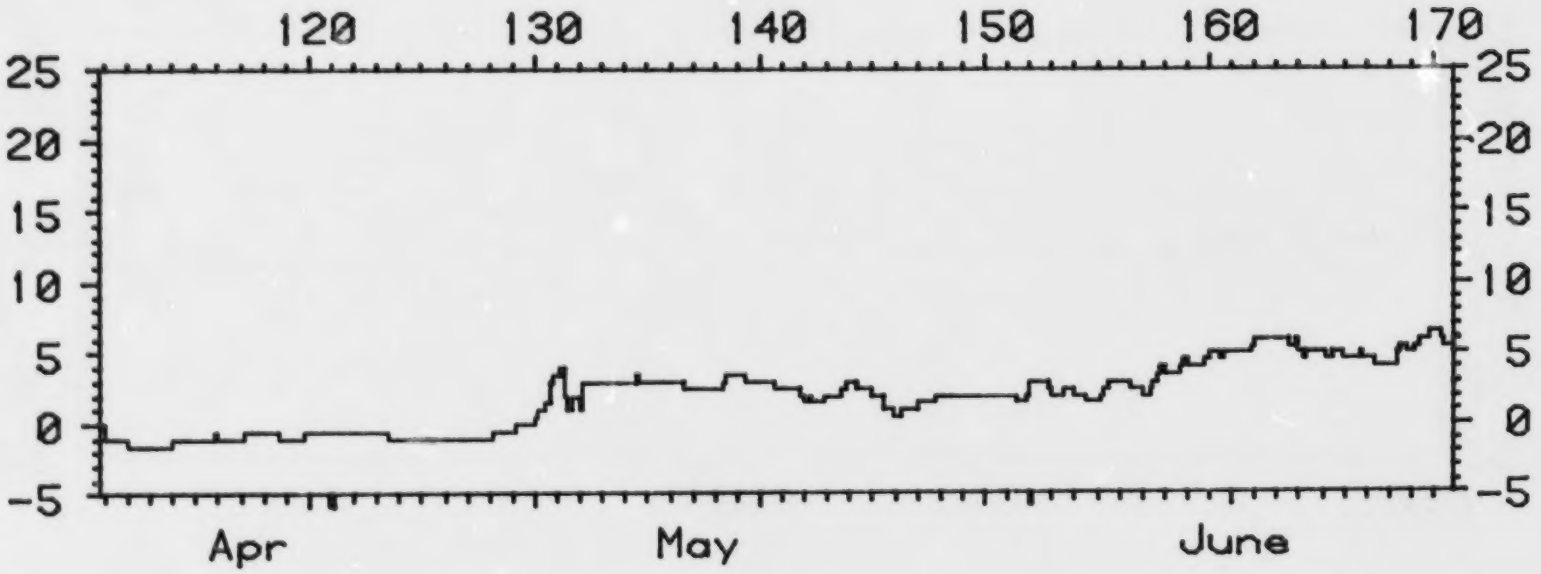
Instrument : 62508

Station 73C (continued)

STOCK COVE NFLD (Page 1)

Pos. : 48.71, 53.76 Depth : 9.0 meters

Apr 20, 1982 19:30 GMT to June 19, 1982 19:30 GMT



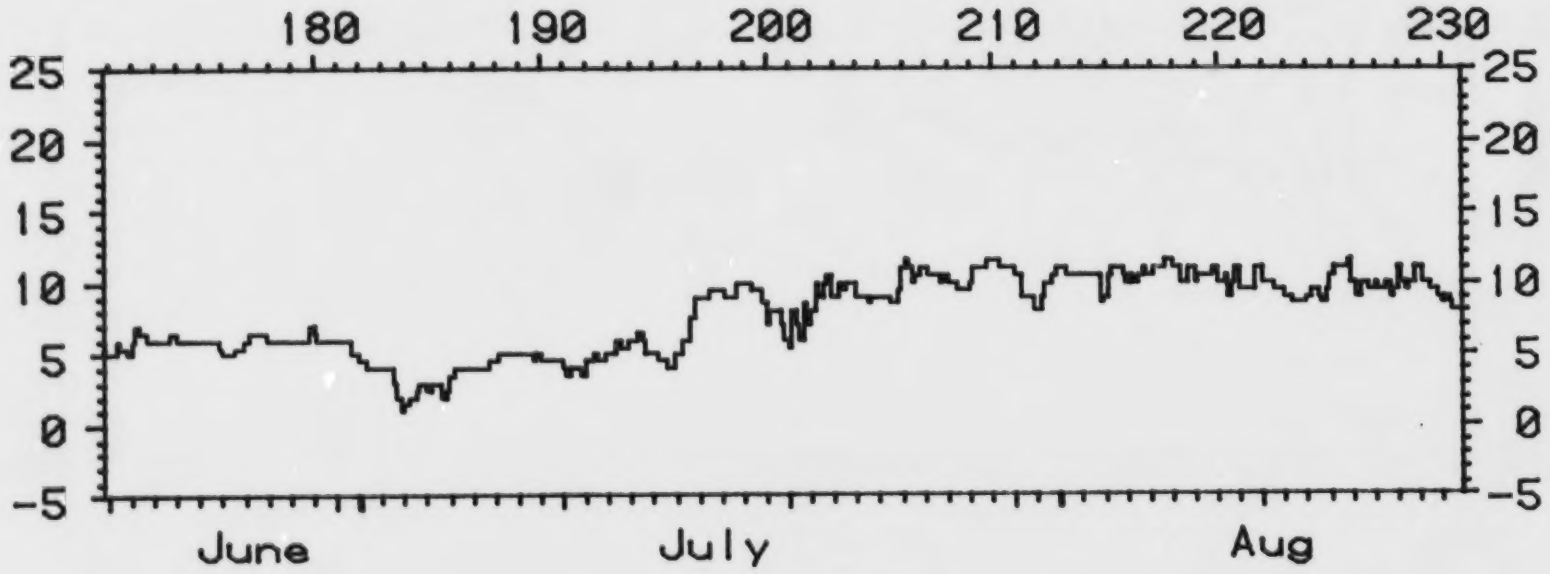
Instrument : 62540

Station 730

STOCK COVE NFLD (Page 2)

Pos. : 48.71, 53.76 Depth : 9.0 meters

June 19, 1982 19:30 GMT to Aug 18, 1982 19:30 GMT



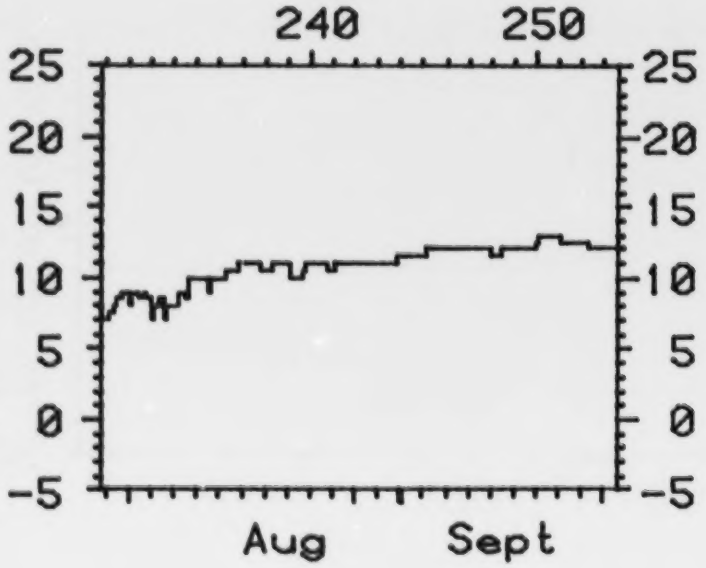
Instrument : 62540

Station 73D (continued)

STOCK COVE NFLD (Page 3)

Pos. : 48.71, 53.76 Depth : 9.0 meters

Aug 18, 1982 19:30 GMT to Sept 10, 1982 15:30 GMT

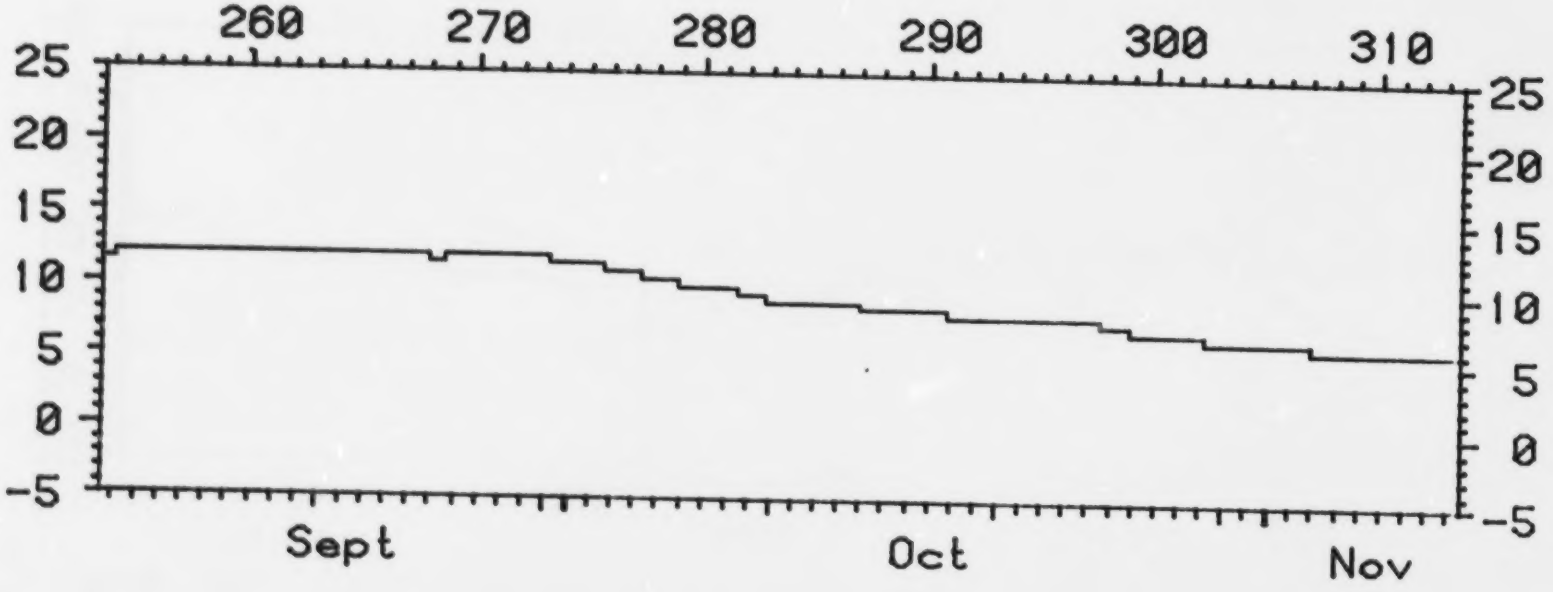


Instrument : 62540

STOCK COVE NFLD (Page 1)

Pos. : 48.71, 53.76 Depth : 9.0 meters

Sept 10, 1982 14:15 GMT to Nov 9, 1982 14:15 GMT



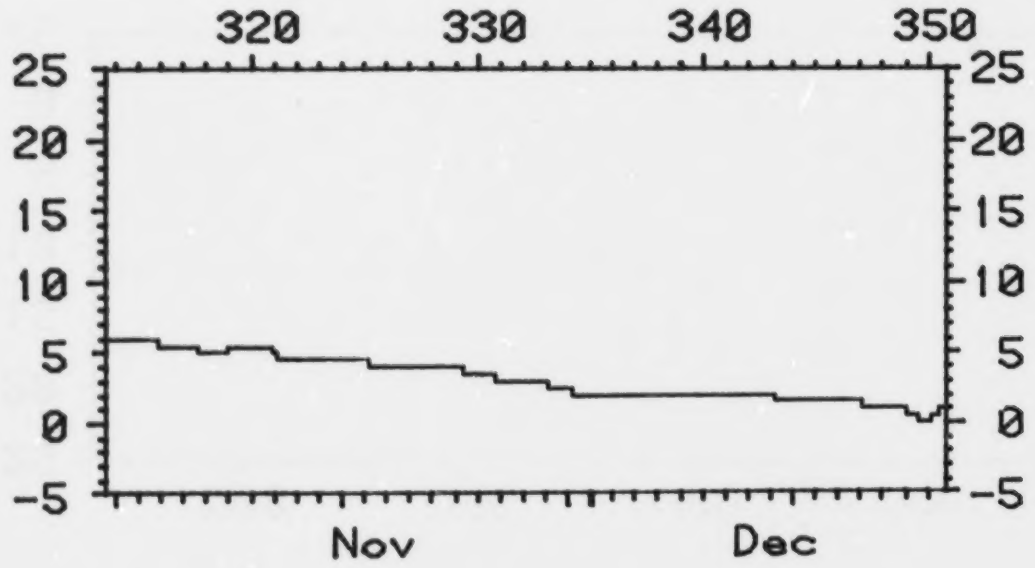
Instrument : 62490

Station 73E

STOCK COVE NFLD (Page 2)

Pos. : 48.71, 53.76 Depth : 9.0 meters

Nov 9, 1982 14:15 GMT to Dec 16, 1982 18:15 GMT



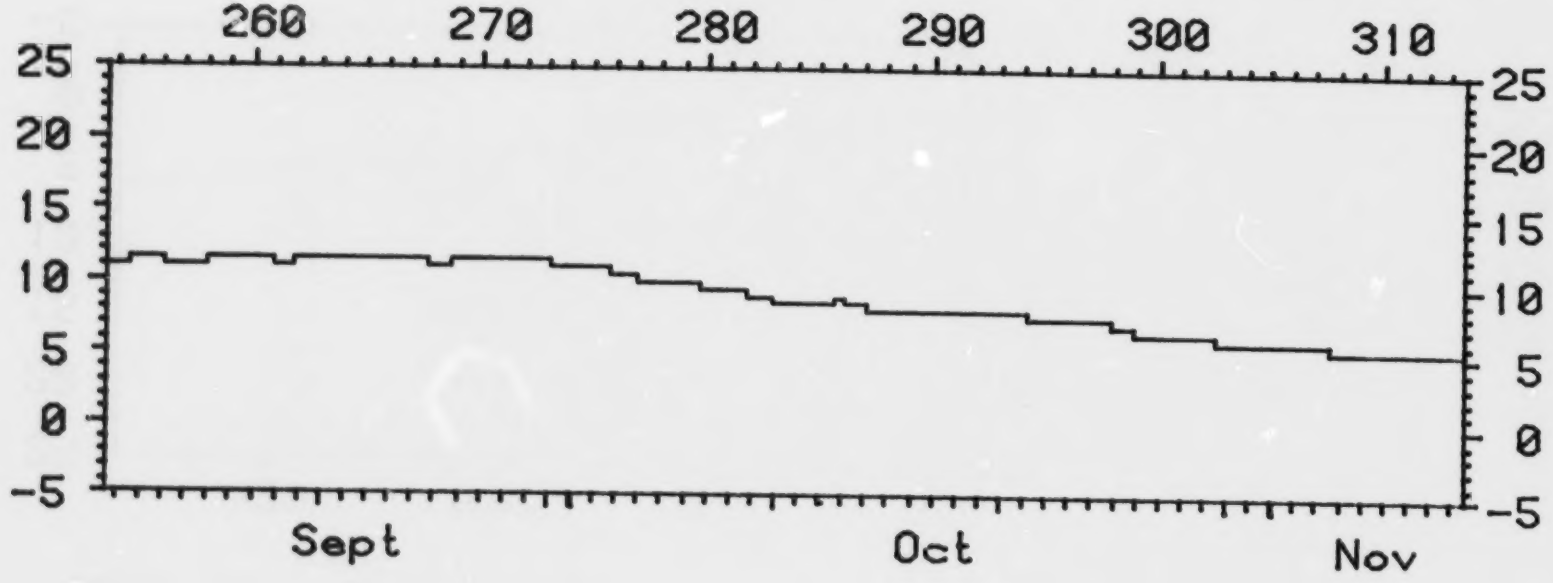
Instrument : 62490

Station 73E (continued)

STOCK COVE NFLD (Page 1)

Pos. : 48.71, 53.76 Depth : 9.0 meters

Sept 10, 1982 14:15 GMT to Nov 9, 1982 14:15 GMT



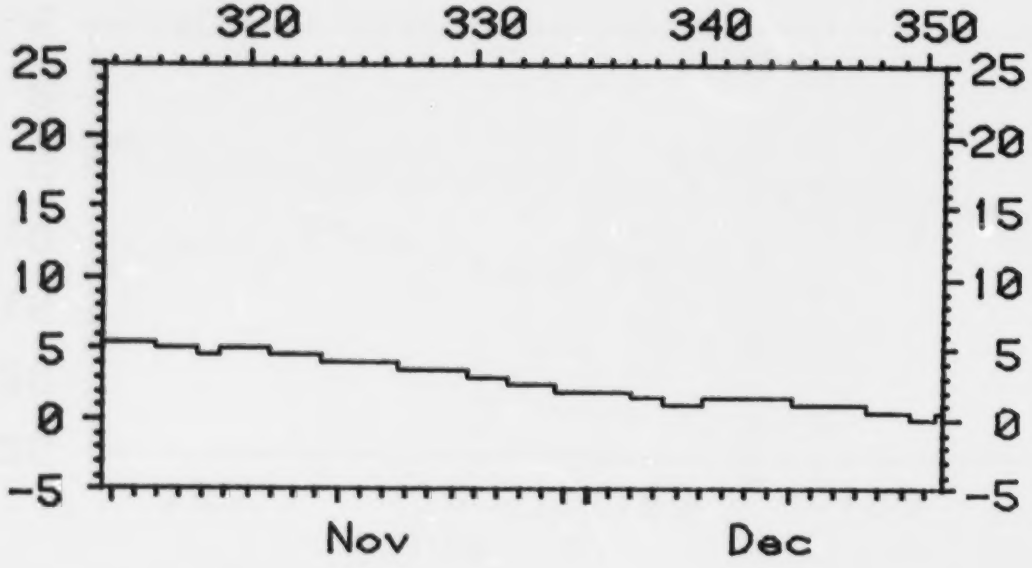
Instrument : 62491

Station 73F

STOCK COVE NFLD (Page 2)

Pos. : 48.71, 53.76 Depth : 9.0 meters

Nov 9, 1982 14:15 GMT to Dec 16, 1982 18:15 GMT



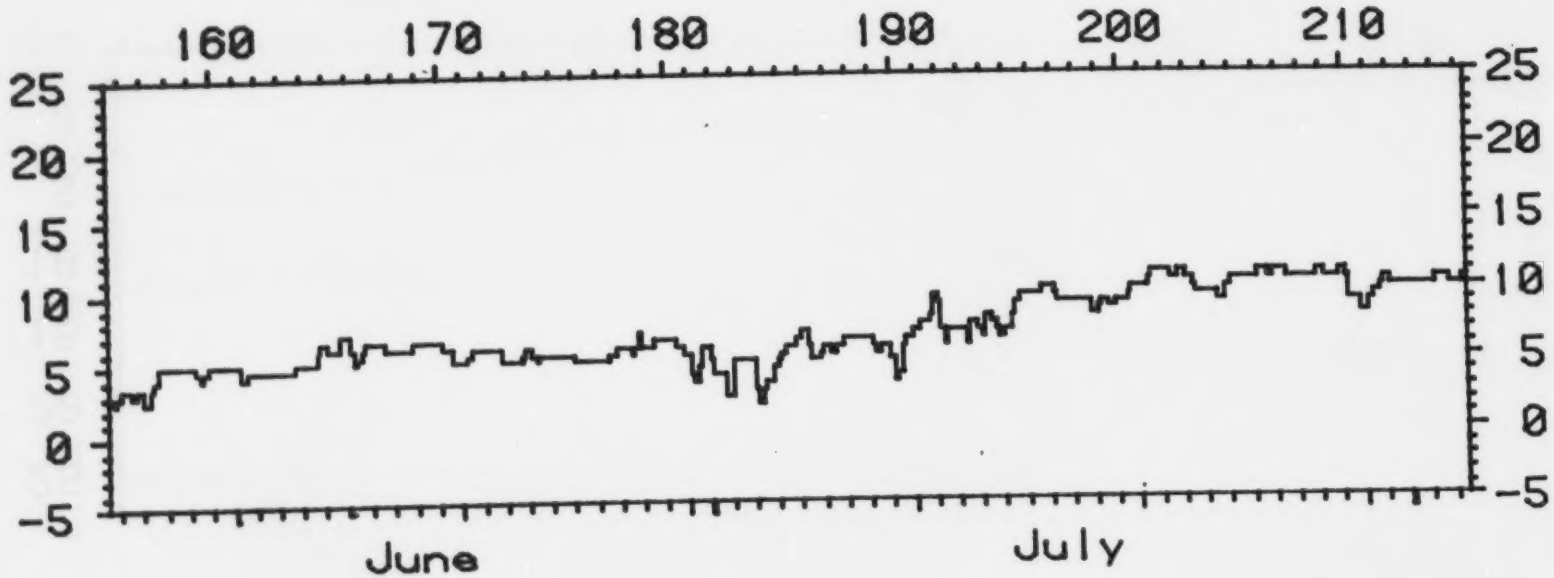
Instrument : 62491

Station 73F (continued)

SALVAGE BAY NFLD (Page 1)

Pos. : 48.38, 53.33 Depth : 36.5 meters

June 4, 1982 10:30 GMT to Aug 3, 1982 10:30 GMT



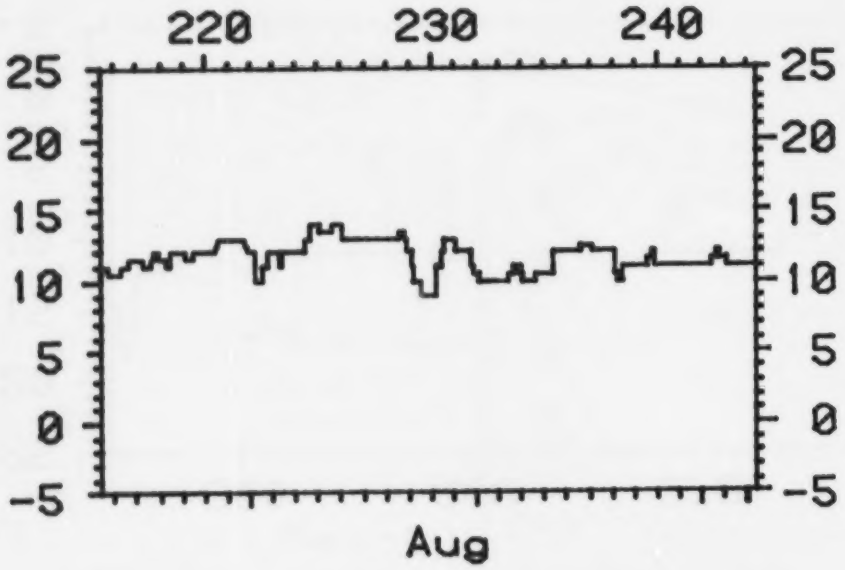
Instrument : 62466

Station 74A

SALVAGE BAY NFLD (Page 2)

Pos. : 48.38, 53.33 Depth : 36.5 meters

Aug 3, 1982 10:30 GMT to Sept 1, 1982 10:30 GMT



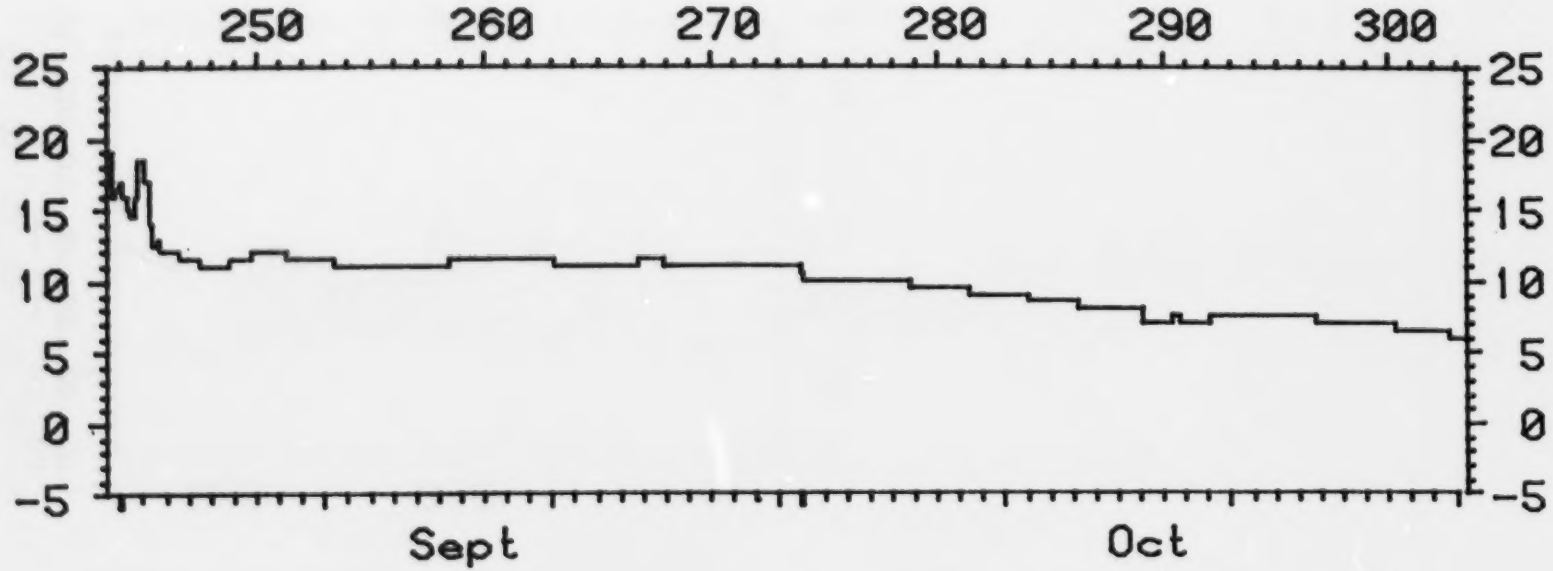
Instrument : 62466

Station 74A (continued)

SALVAGE BAY NFLD (Page 1)

Pos. : 48.63, 53.63 Depth : 16.0 meters

Aug 31, 1982 10:30 GMT to Oct 30, 1982 10:30 GMT



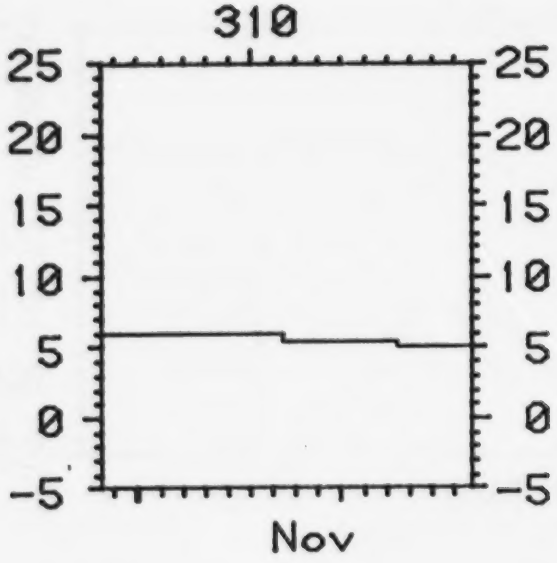
Instrument : 62485

55 Station 74B

SALVAGE BAY NFLD (Page 2)

Pos. : 48.63, 53.63 Depth : 16.0 meters

Oct 30, 1982 10:30 GMT to Nov 15, 1982 18:30 GMT



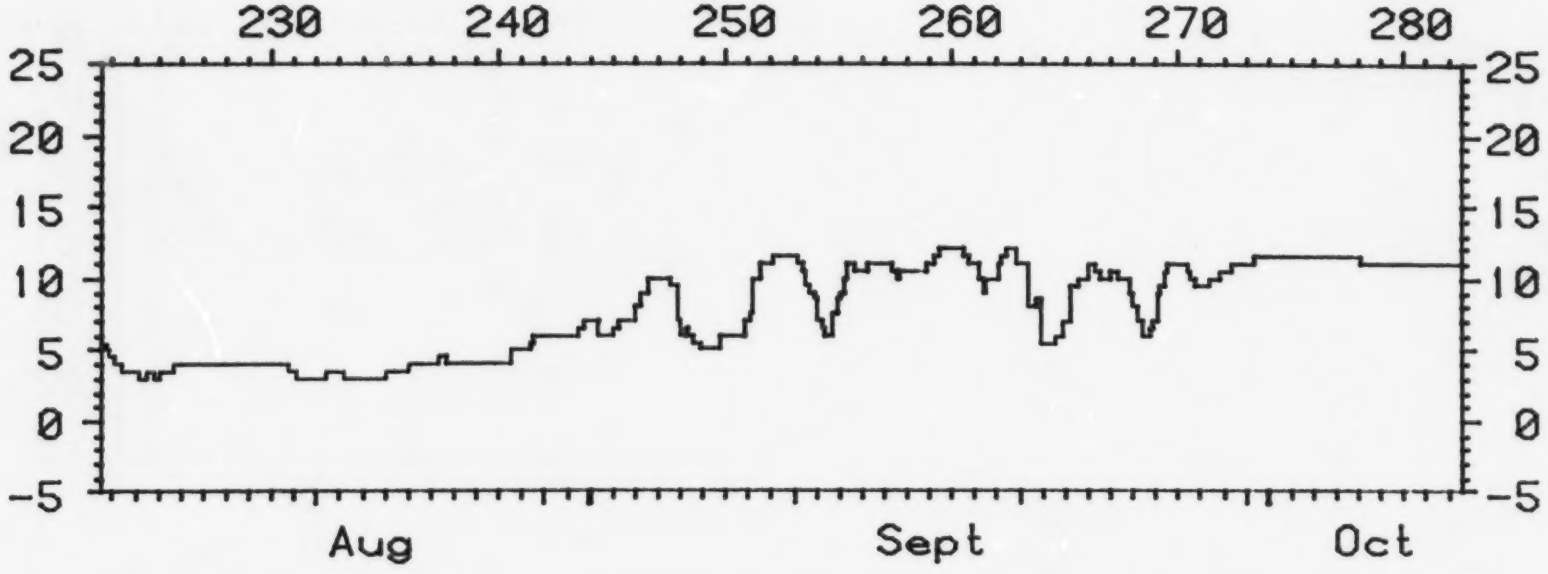
Instrument : 62485

Station 74B (continued)

TERRA NOVA NAT. PARK NFLD (Page 1)

Pos. : 48.47, 53.93 Depth : 36.0 meters

Aug 10, 1982 13:00 GMT to Oct 9, 1982 13:00 GMT



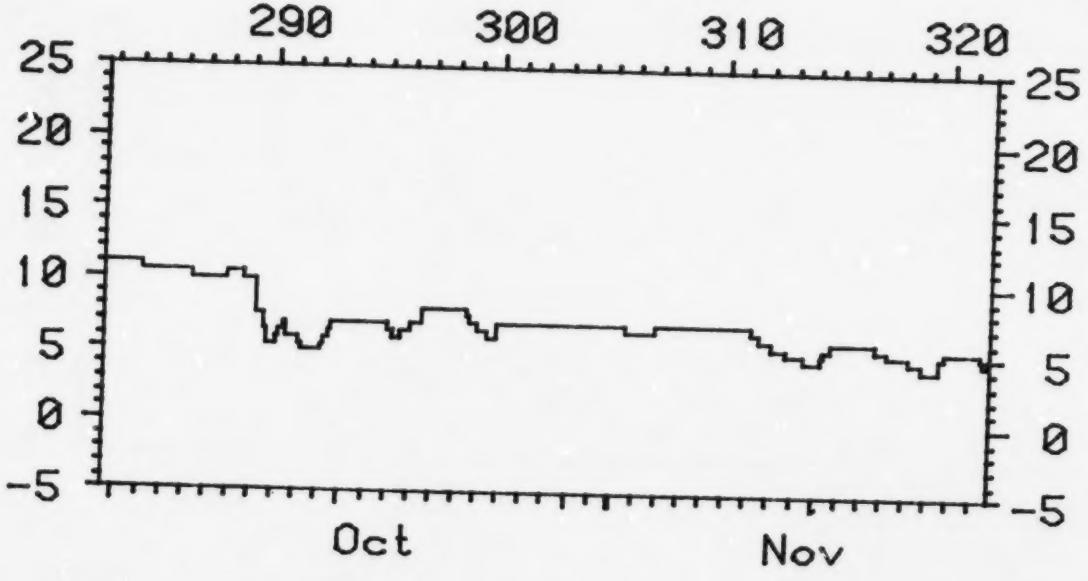
Instrument : 62480

Station 75A

TERRA NOVA NAT. PARK NFLD (Page 2)

Pos. : 48.47, 53.93 Depth : 36.0 meters

Oct 9, 1982 13:00 GMT to Nov 17, 1982 21:00 GMT



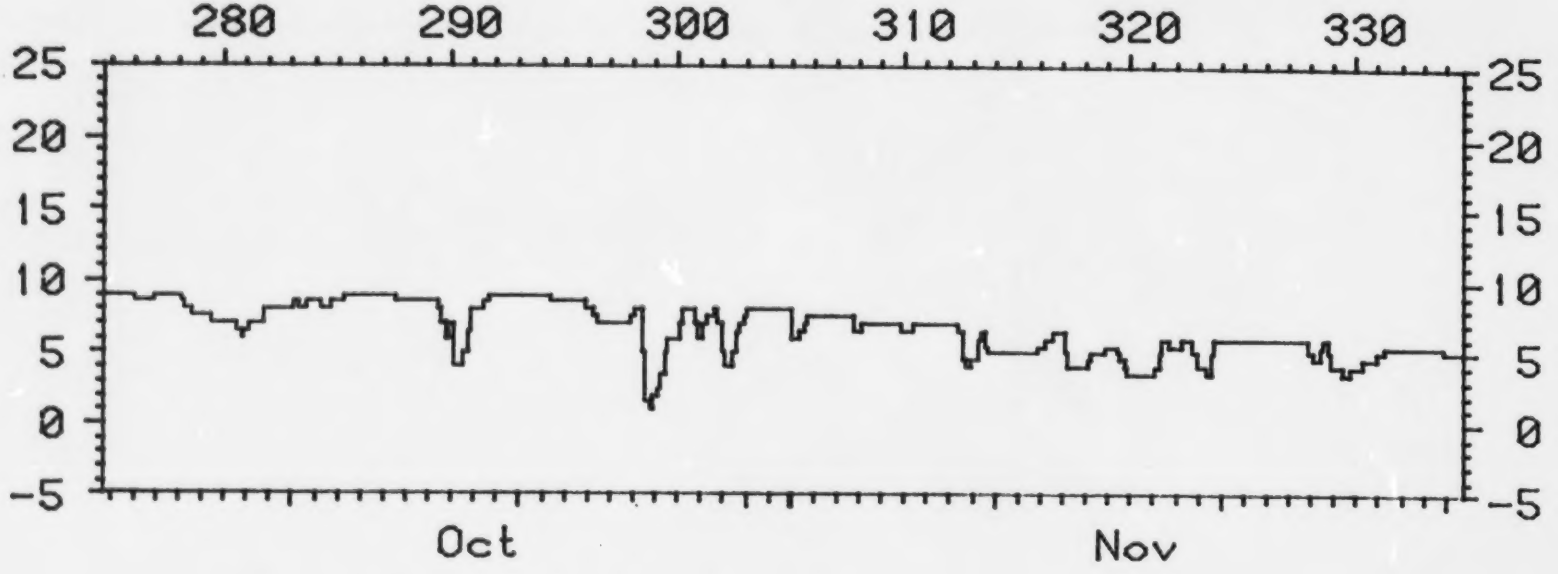
Instrument : 62480

Station 75A (continued)

SUNNYSIDE NFLD (Page 1)

Pos. : 47.85, 53.92 Depth : 33.0 meters

Oct 1, 1981 17:45 GMT to Nov 30, 1981 17:45 GMT



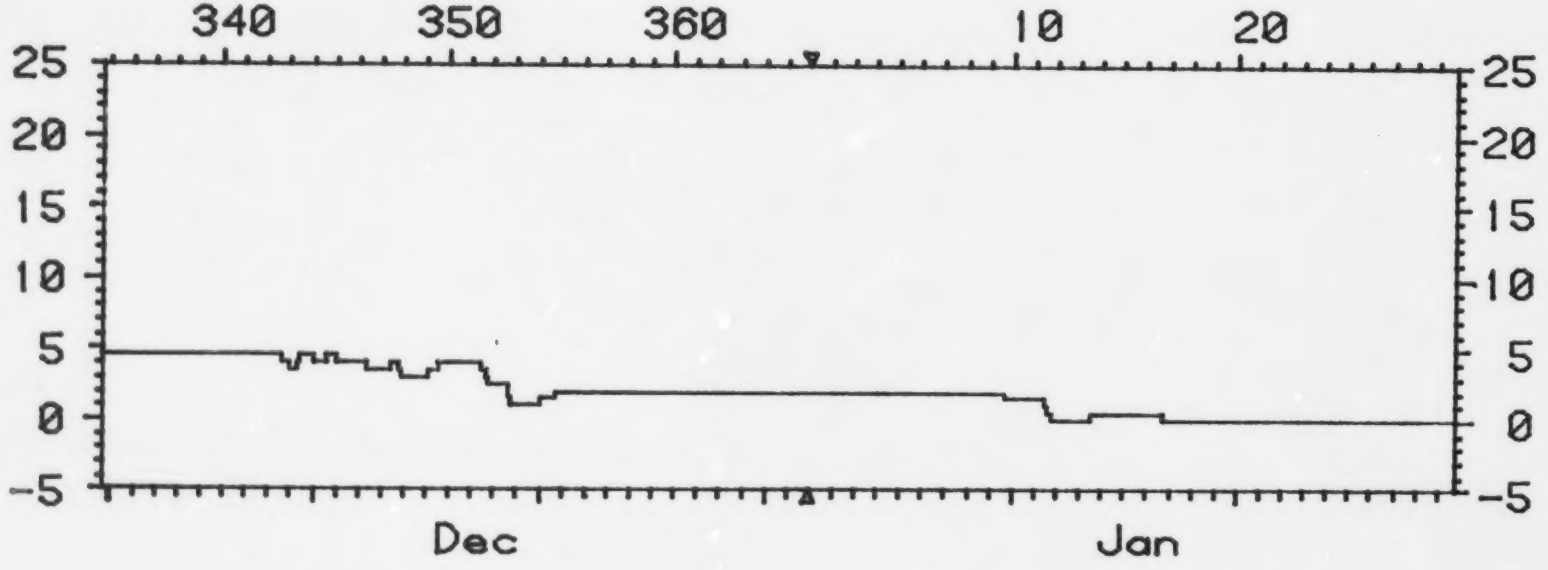
Instrument : 61686

Station 77A

SUNNYSIDE NFLD (Page 2)

Pos. : 47.85, 53.92 Depth : 33.0 meters

Nov 30, 1981 17:45 GMT to Jan 29, 1982 17:45 GMT



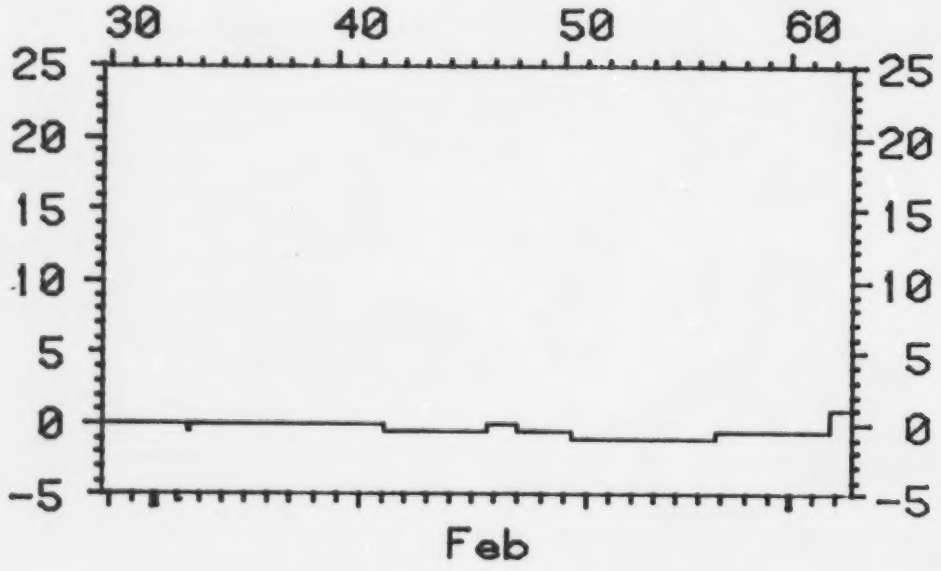
Instrument : 61686

Station 77A (continued)

SUNNYSIDE NFLD (Page 3)

Pos. : 47.85, 53.92 Depth : 33.0 meters

Jan 29, 1982 17:45 GMT to Mar 3, 1982 17:45 GMT



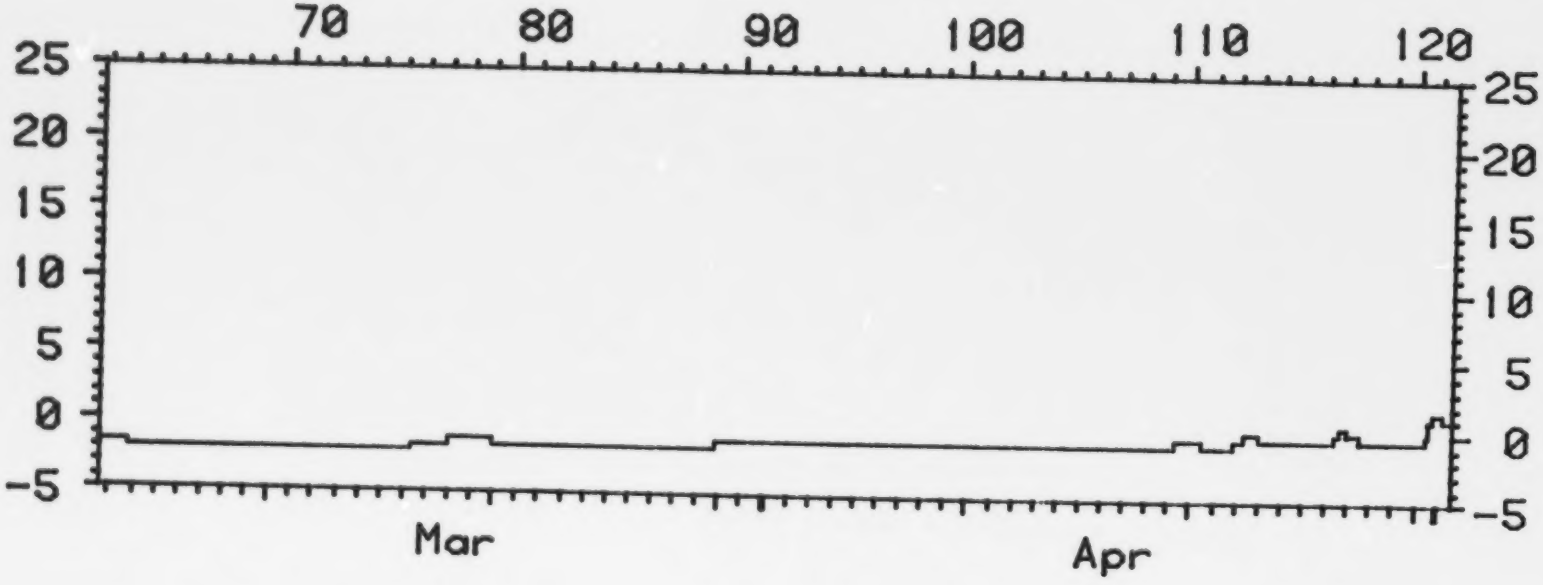
Instrument : 61686

Station 77A (continued)

SUNNYSIDE NFLD

Pos. : 47.85, 53.92 Depth : 10.0 meters

Mar 2, 1982 15:30 GMT to May 1, 1982 15:30 GMT



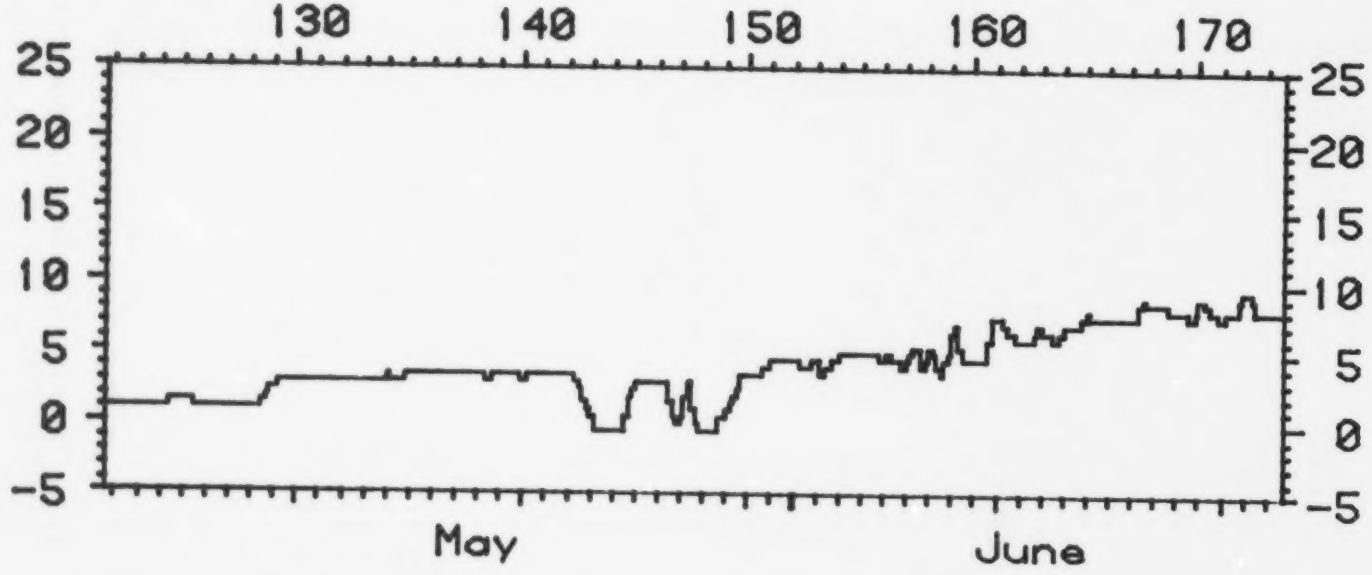
Instrument : 61639

Station 77B

SUNNYSIDE NFLD (Page 2)

Pos. : 47.85, 53.92 Depth : 10.0 meters

May 1, 1982 15:30 GMT to June 22, 1982 19:30 GMT



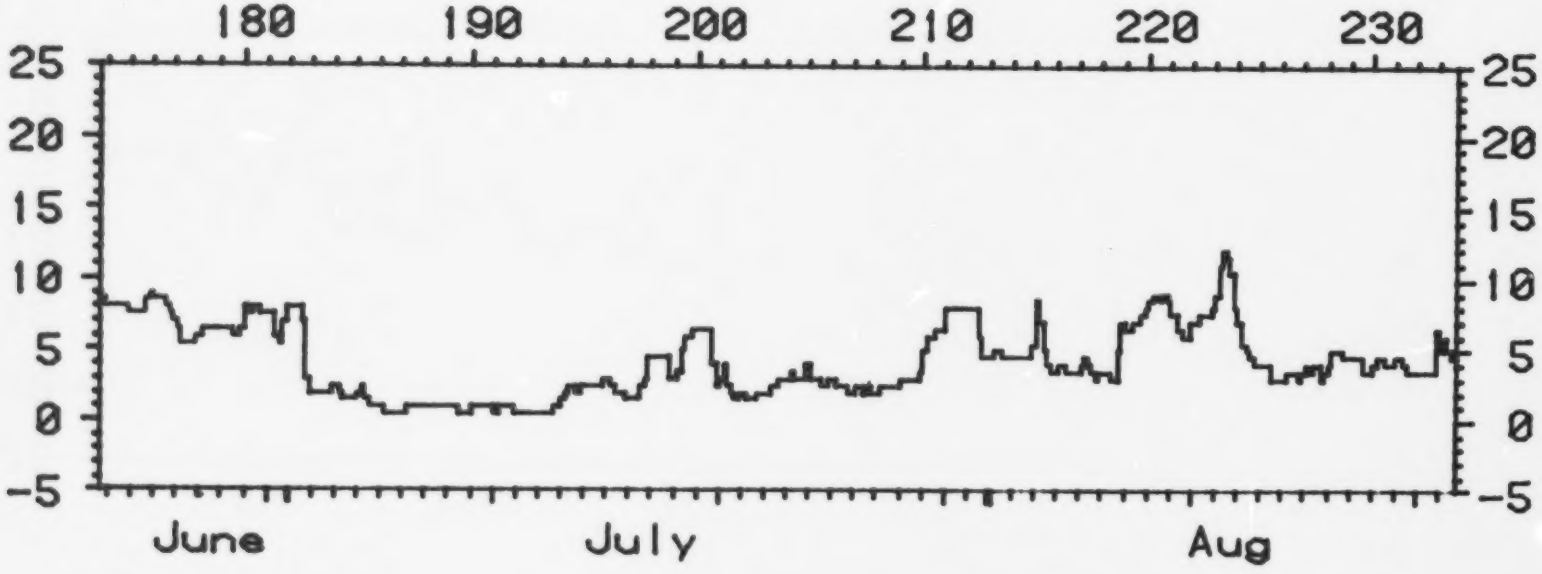
Instrument : 61639

Station 77B (continued)

SUNNYSIDE NFLD (Page 1)

Pos. : 47.85, 53.92 Depth : 10.0 meters

June 22, 1982 17:00 GMT to Aug 21, 1982 17:00 GMT



Station 77C

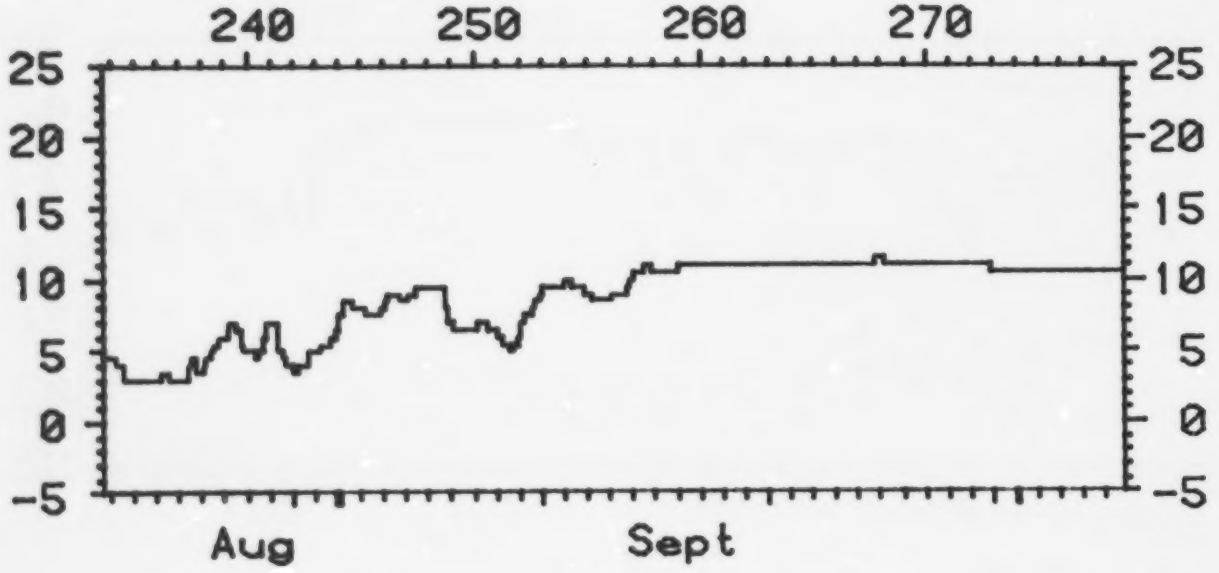
64

Instrument : 62470

SUNNYSIDE NFLD (Page 2)

Pos. : 47.85, 53.92 Depth : 10.0 meters

Aug 21, 1982 17:00 GMT to Oct 5, 1982 21:00 GMT



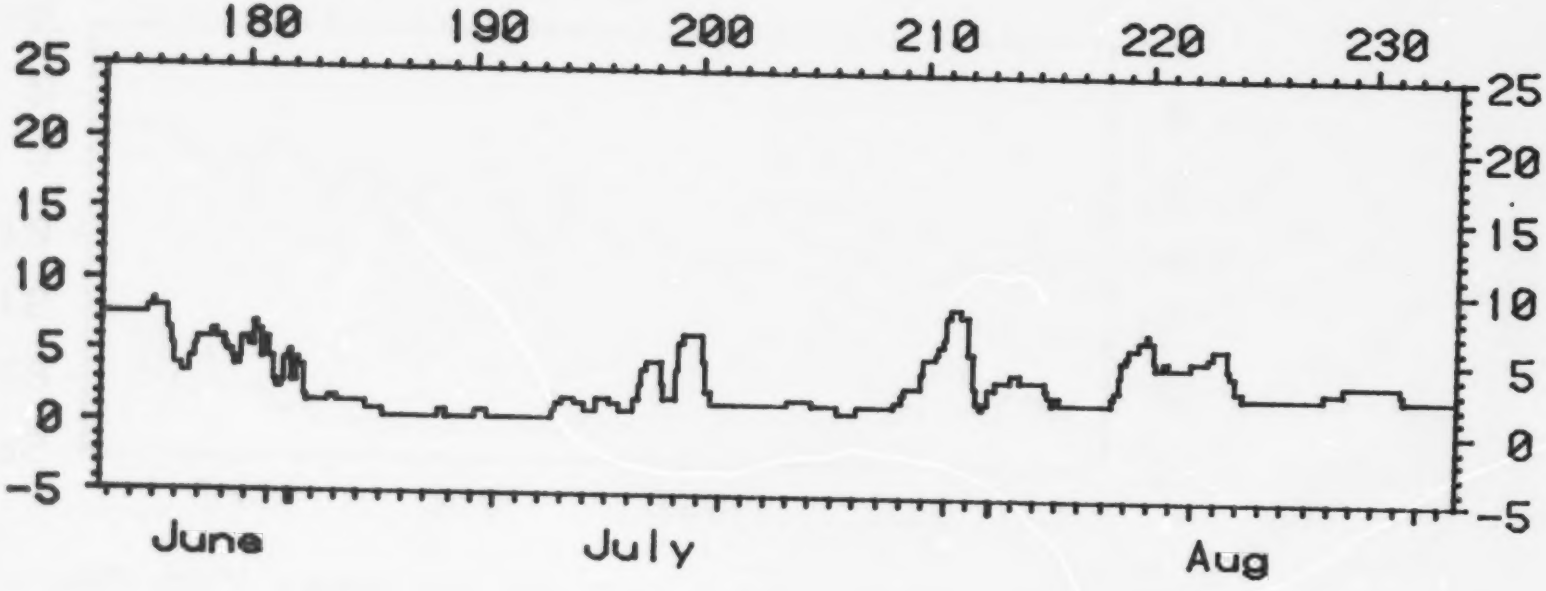
Instrument : 62470

SUNNYSIDE NFLD

(Page 1)

Pos. : 47.85, 53.92 Depth : 20.0 meters

June 22, 1982 16:45 GMT to Aug 21, 1982 16:45 GMT



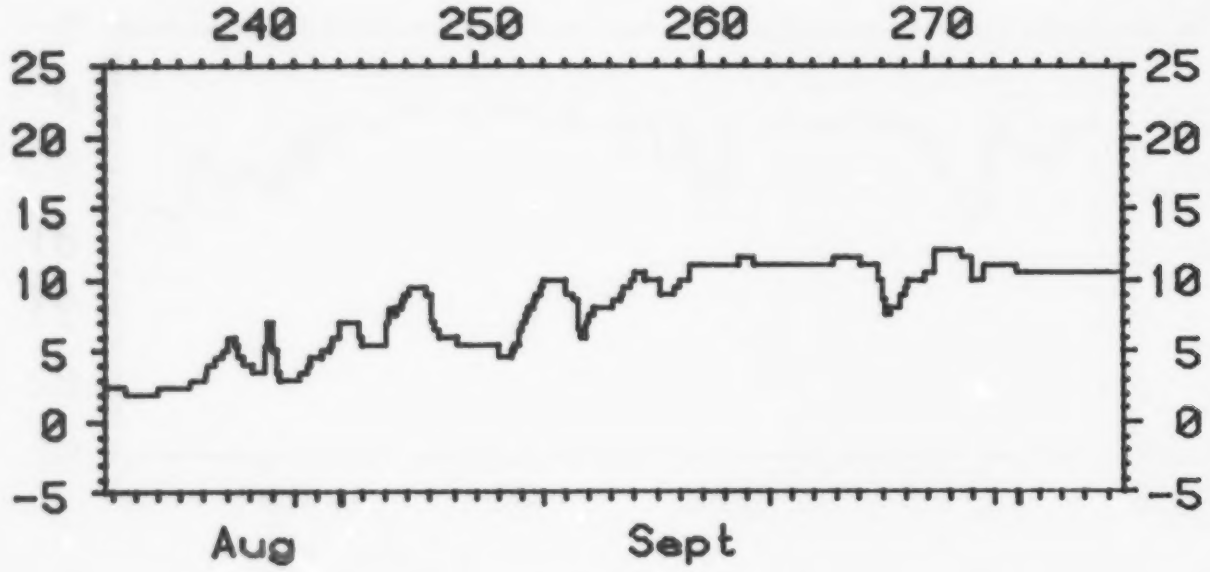
Instrument : 62465

Station 77D

SUNNYSIDE NFLD (Page 2)

Pos. : 47.85, 53.92 Depth : 20.0 meters

Aug 21, 1982 16:45 GMT to Oct 5, 1982 16:45 GMT



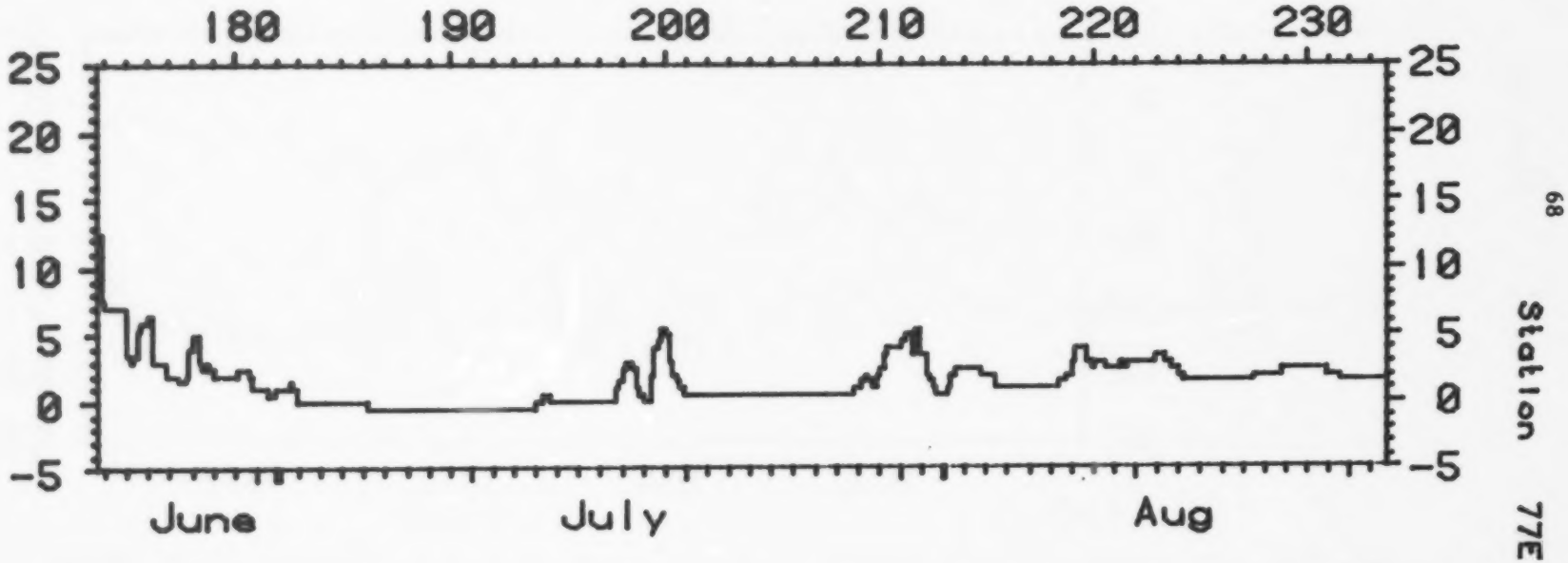
Instrument : 62465

Station 77D (continued)

SUNNYSIDE NFLD (Page 1)

Pos. : 47.85, 53.92 Depth : 33.0 meters

June 22, 1982 16:30 GMT to Aug 21, 1982 16:30 GMT

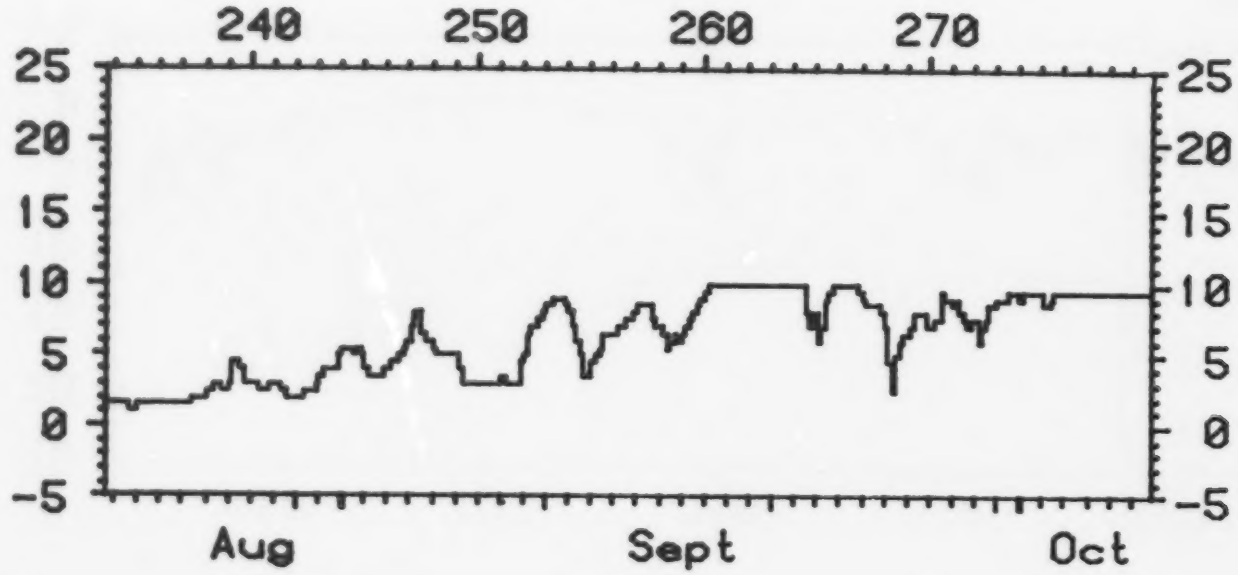


Instrument : 62464

SUNNYSIDE NFLD (Page 2)

Pos. : 47.85, 53.92 Depth : 33.0 meters

Aug 21, 1982 16:30 GMT to Oct 6, 1982 20:30 GMT



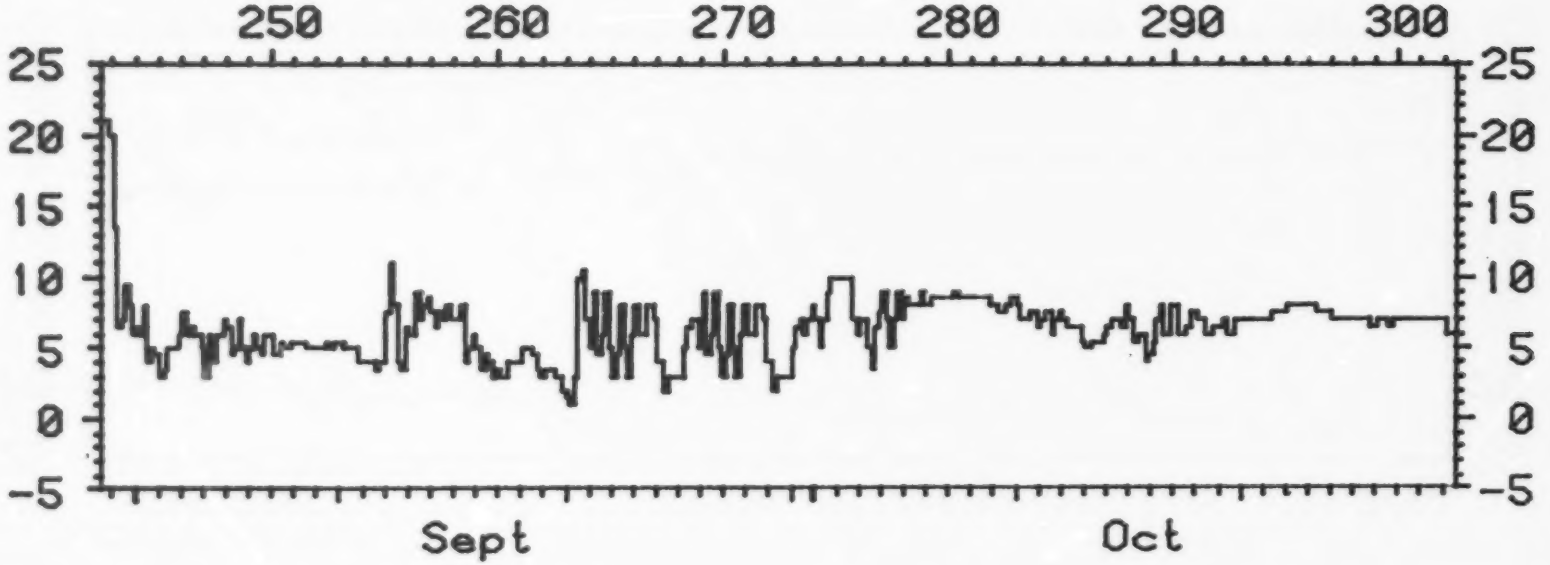
Instrument : 62464

Station 77E (continued)

LOGY BAY NFLD (Page 1)

Pos. : 47.58, 52.67 Depth : 35.0 meters

Aug 30, 1981 13:00 GMT to Oct 29, 1981 13:00 GMT

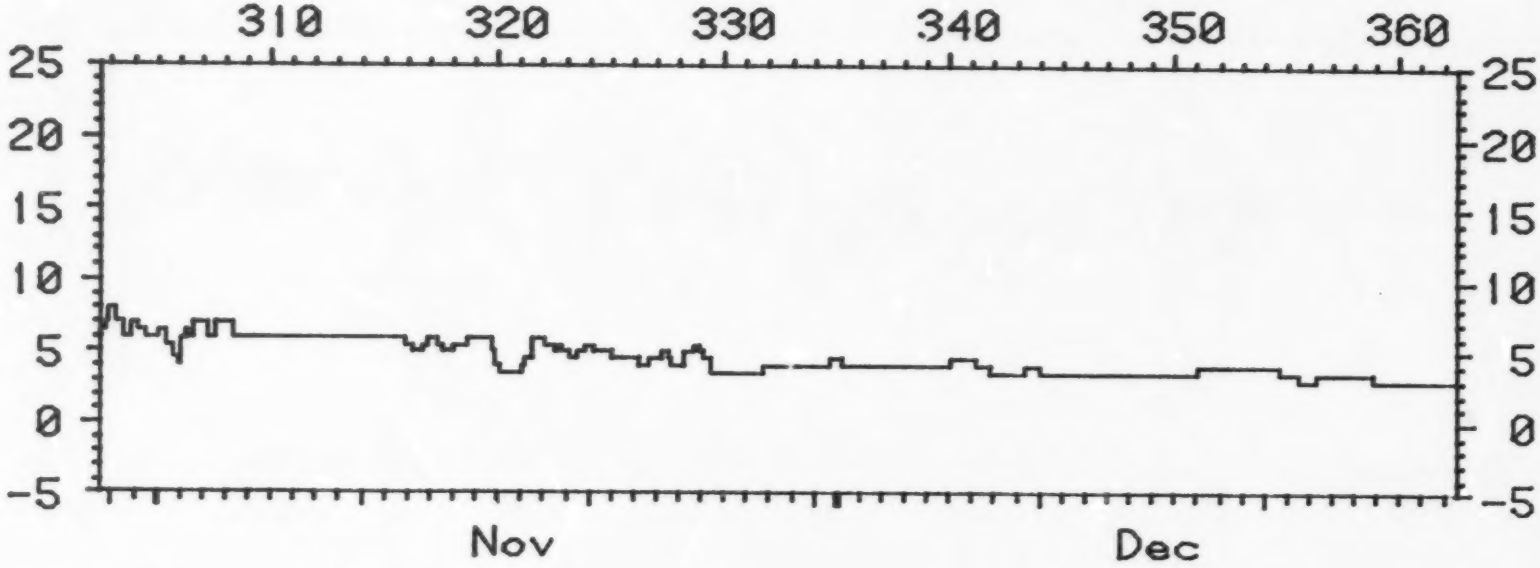


Station 78A

LOGY BAY NFLD (Page 2)

Pos. : 47.58, 52.67 Depth : 35.0 meters

Oct 29, 1981 13:00 GMT to Dec 28, 1981 13:00 GMT

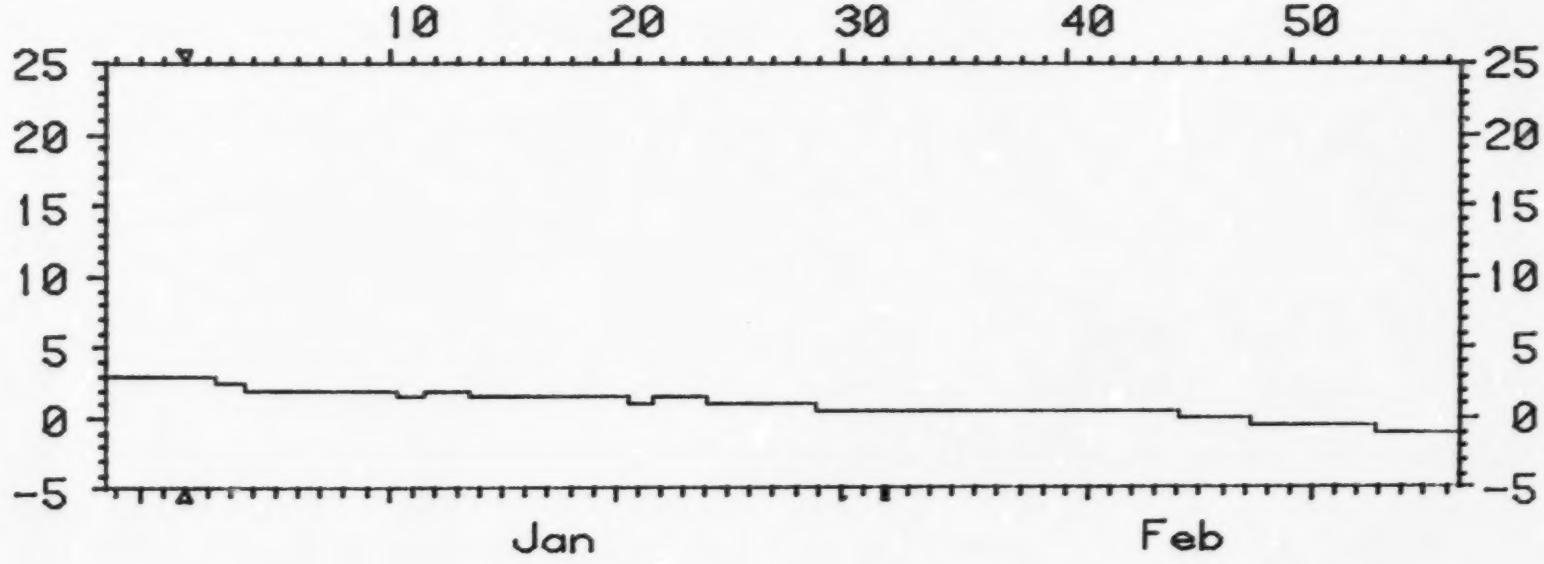


Station 78A (continued)

LOGY BAY NFLD (Page 3)

Pos. : 47.58, 52.67 Depth : 35.0 meters

Dec 28, 1981 13:00 GMT to Feb 26, 1982 13:00 GMT

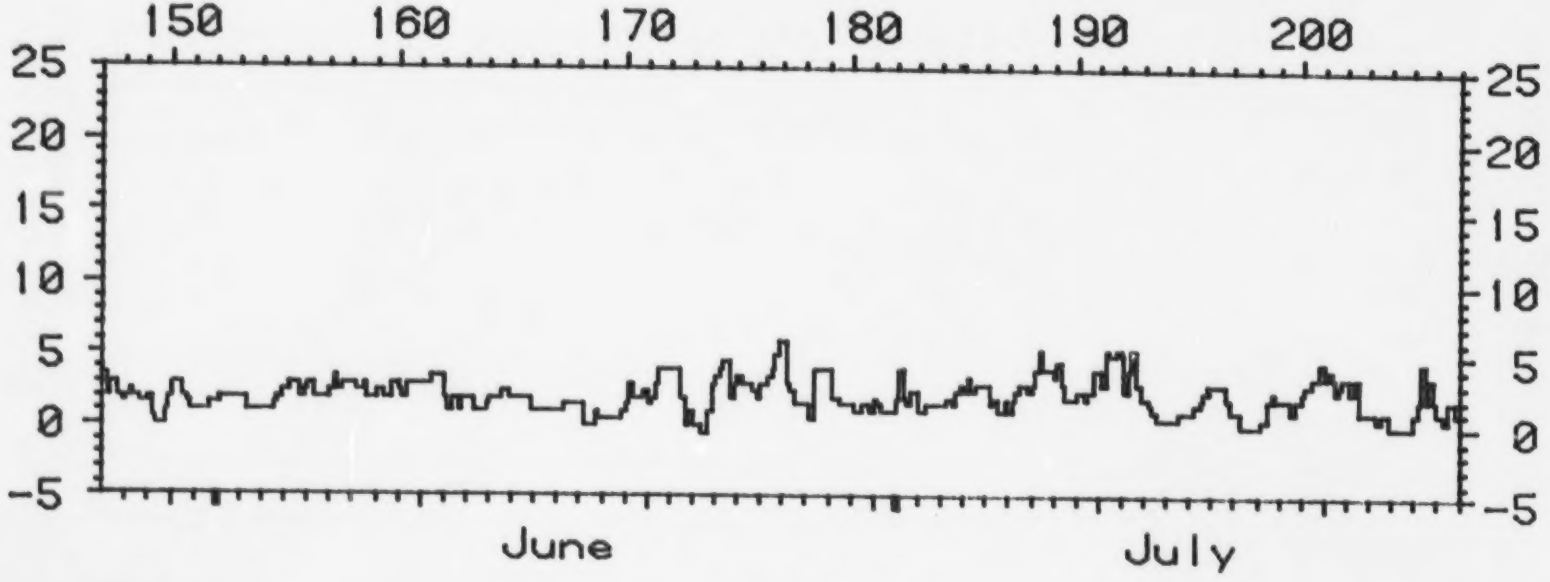


Station 78A (continued)

LOGY BAY NFLD (Page 1)

Pos. : 47.58, 52.37 Depth : 35.0 meters

May 27, 1982 00:00 GMT to July 26, 1982 00:00 GMT



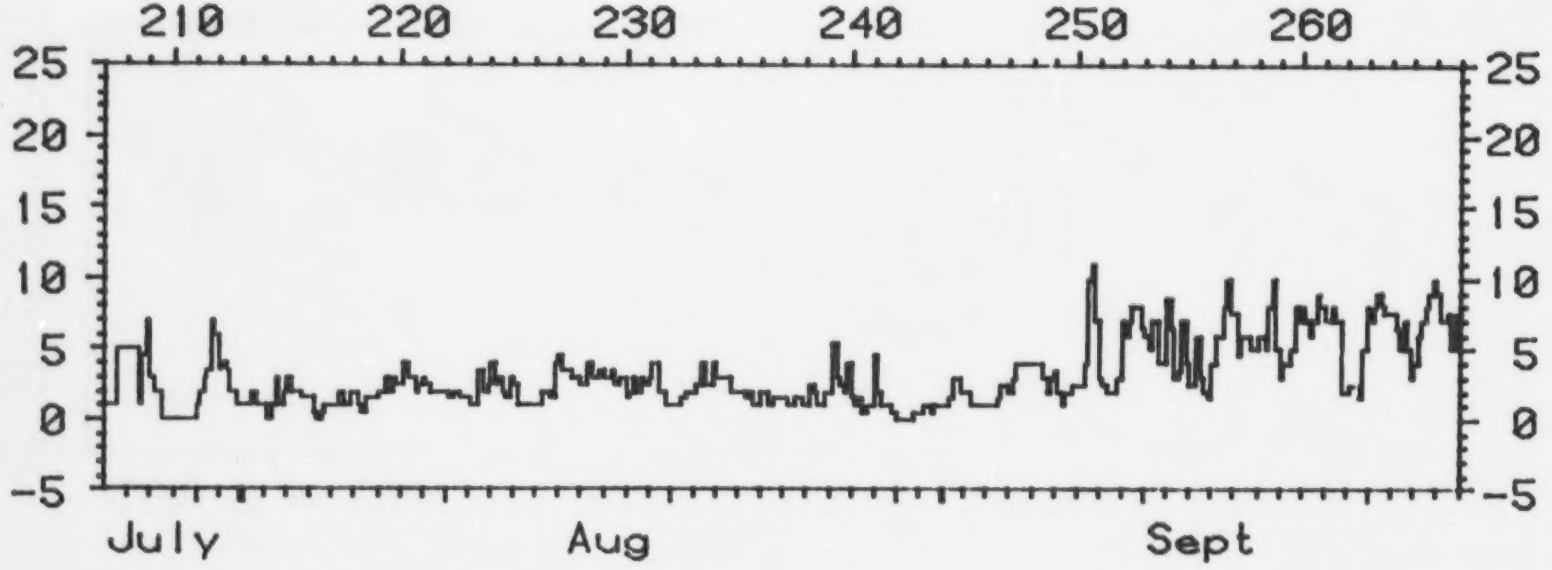
Instrument : 62479

Station 78B

LOGY BAY NFLD (Page 2)

Pos. : 47.58, 52.67 Depth : 35.0 meters

July 26, 1982 00:00 GMT to Sept 24, 1982 00:00 GMT

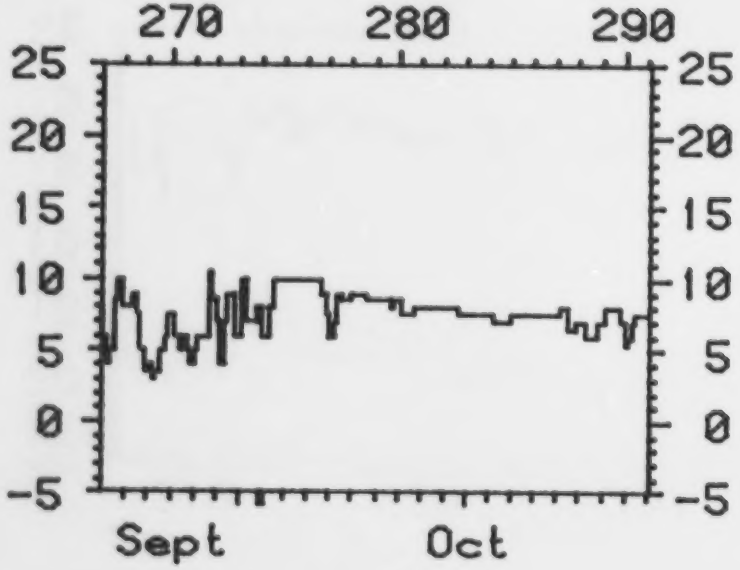


Instrument : 62479

LOGY BAY NFLD

Pos. : 47.58, 52.67 Depth : 35.0 meters

Sept 24, 1982 00:00 GMT to Oct 18, 1982 04:00 GMT

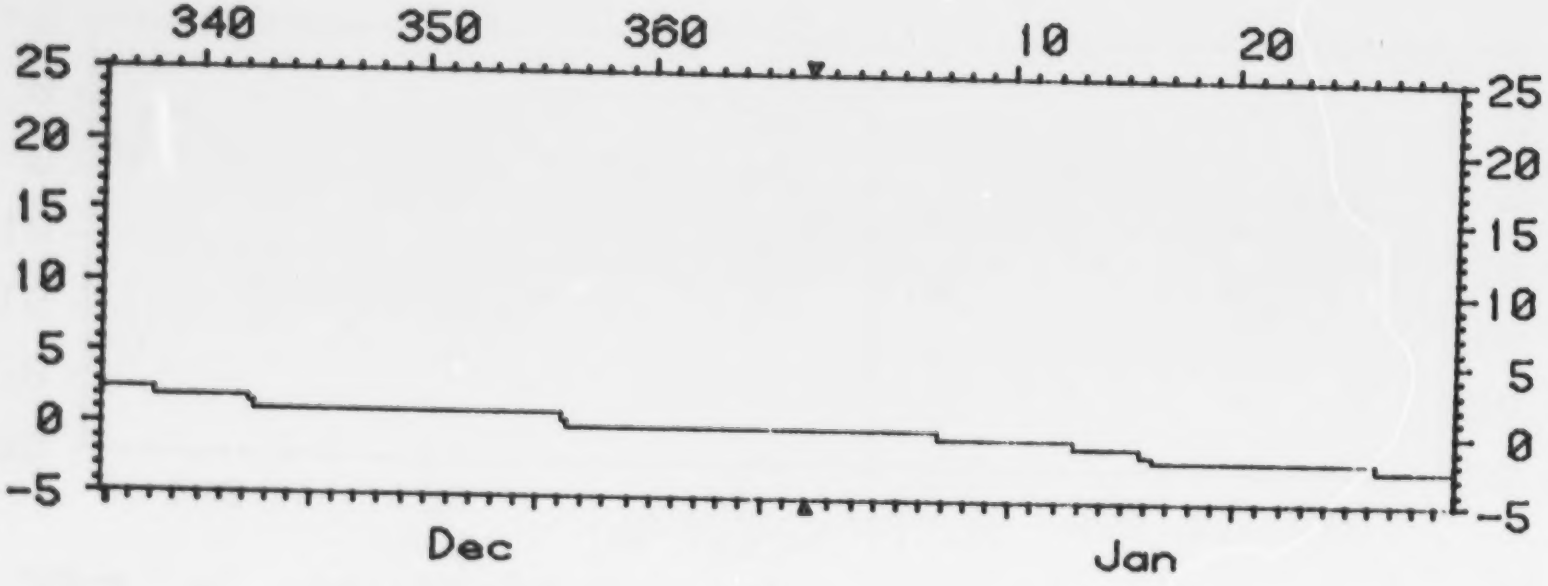


Instrument : 62479

HOLYROOD NFLD

Pos. : 47.42, 53.17 Depth : 12.0 meters

Nov 30, 1980 19:00 GMT to Jan 29, 1981 19:00 GMT



76 Station 79A

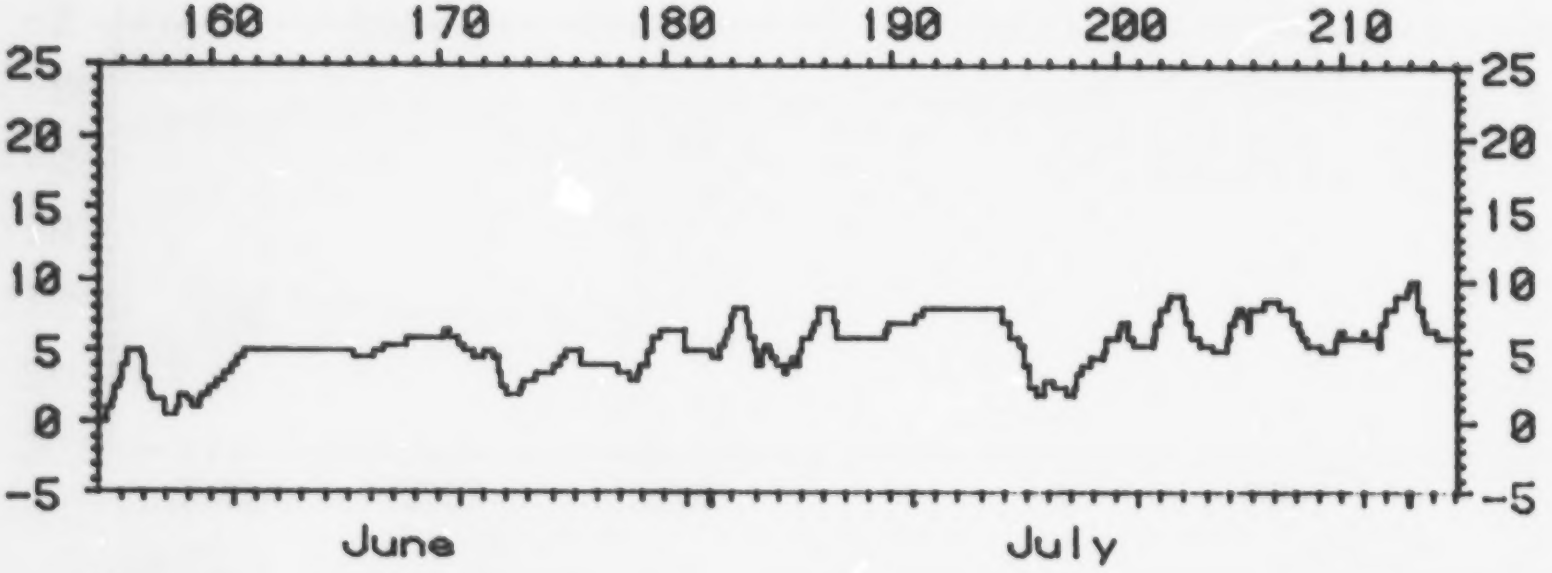
Instrument : 60914

APPARENT MECHANICAL FAILURE
January 29, 1981

HOLYROOD NFLD (Page 1)

Pos. : 47.42, 53.17 Depth : 10.0 meters

June 4, 1981 02:00 GMT to Aug 3, 1981 02:00 GMT



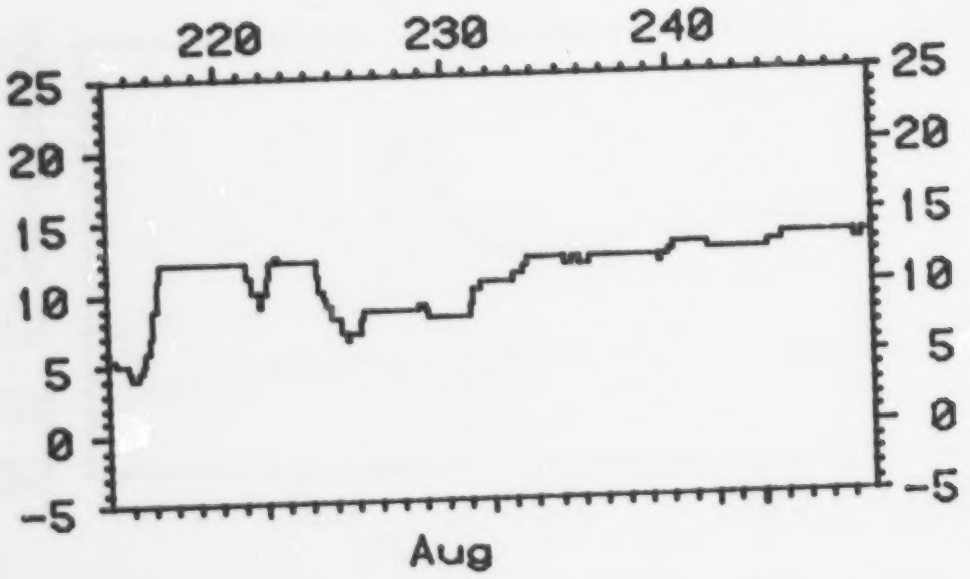
Instrument : 61691

77 Station 793

HOLYROOD NFLD

Pos. : 47.42, 53.17 Depth : 10.0 meters

Aug 3, 1981 02:00 GMT to Sept 5, 1981 22:00 GMT

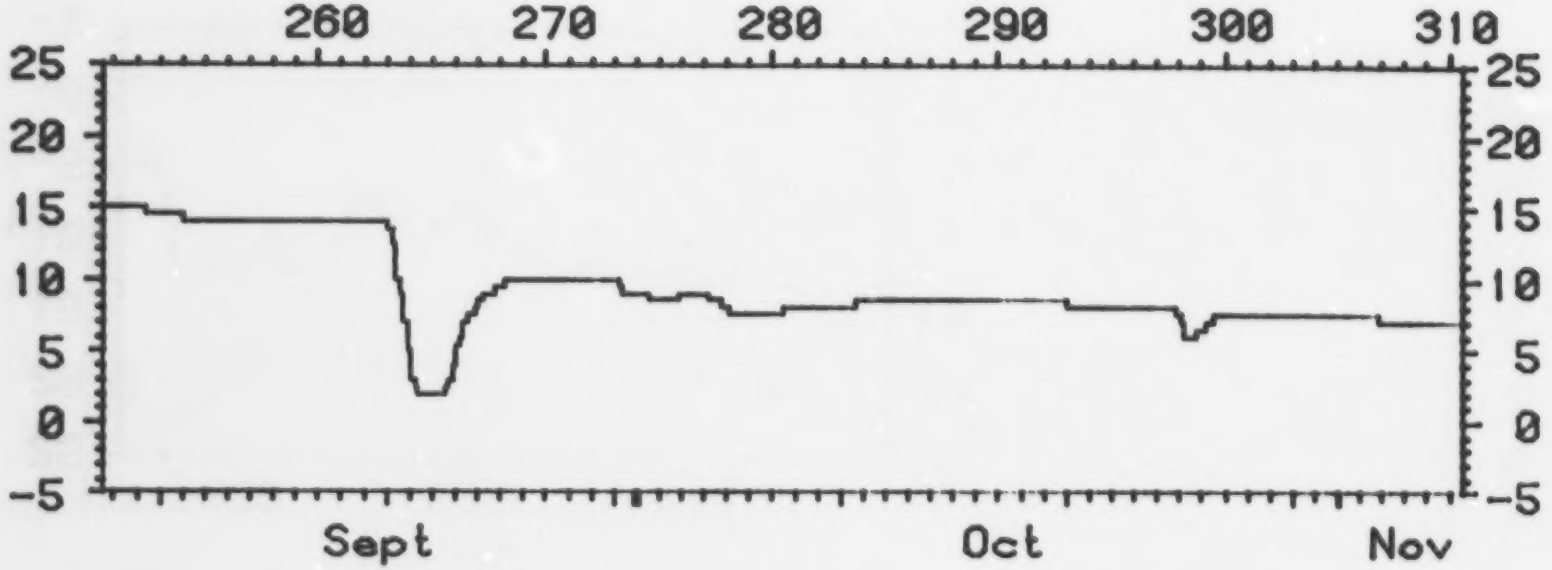


Instrument : 61691

HOLYROOD NFLD (Page 1)

Pos. : 47.42, 53.17 Depth : 12.0 meters

Sept 7, 1981 13:00 GMT to Nov 6, 1981 13:00 GMT



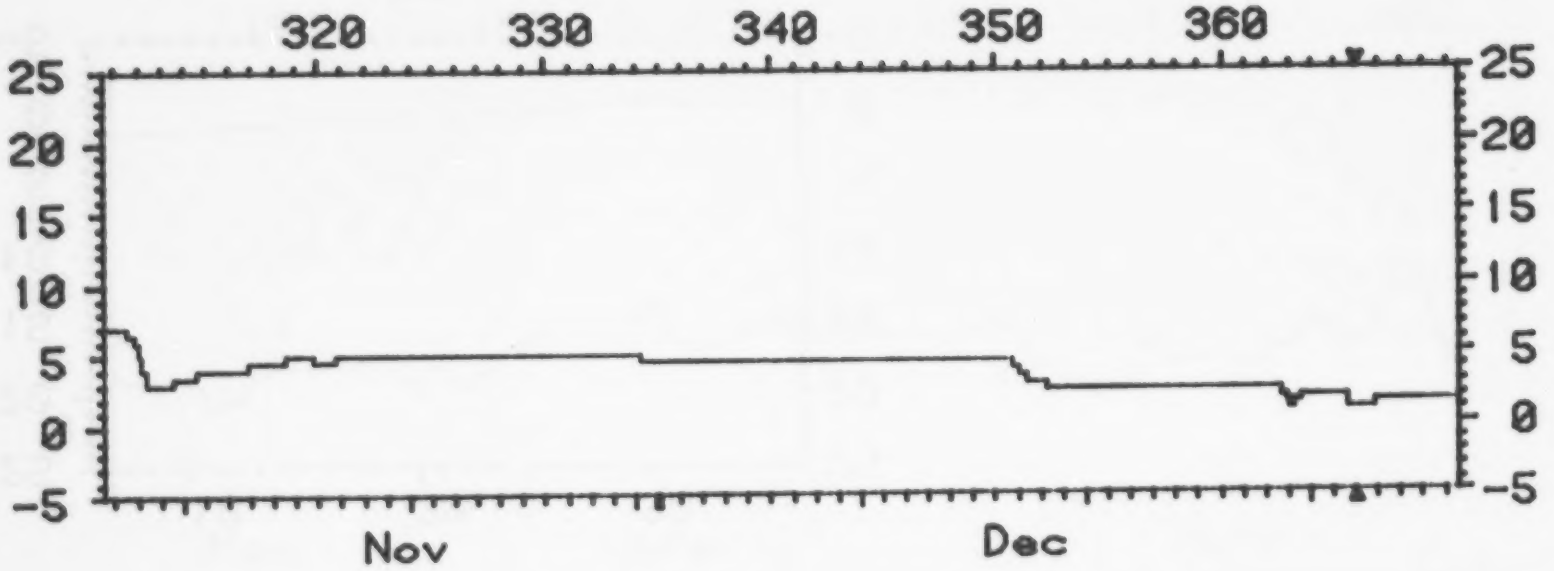
Station 79C

Instrument : 61691

HOLYROOD NFLD (Page 2)

Pos. : 47.42, 53.17 Depth : 12.0 meters

Nov 6, 1981 13:00 GMT to Jan 5, 1982 13:00 GMT



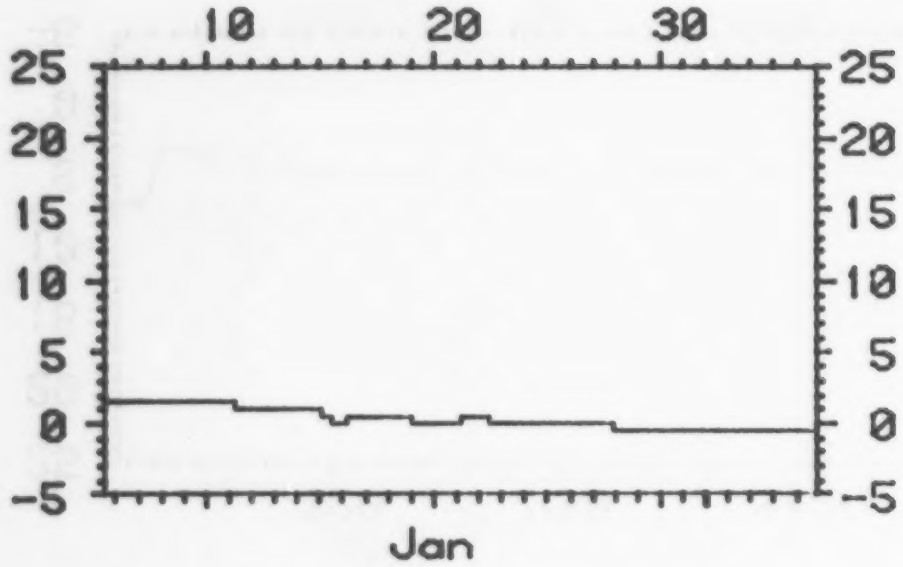
Instrument : 61691

80 Station 79C (continued)

HOLYROOD NFLD (Page 3)

Pos. : 47.42, 53.17 Depth : 12.0 meters

Jan 5, 1982 13:00 GMT to Feb 5, 1982 21:00 GMT

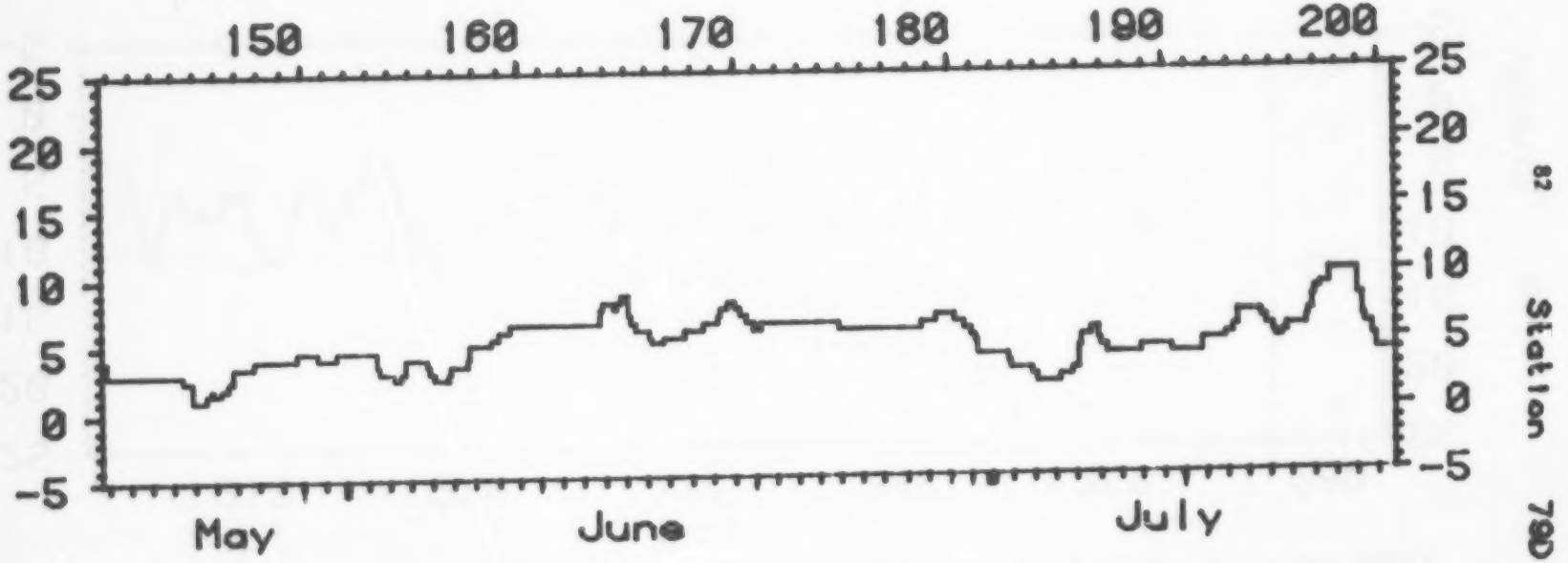


Instrument : 61691

HOLYROOD NFLD (Page 1)

Pos. : 47.42, 53.17 Depth : 30.0 meters

May 20, 1982 17:30 GMT to July 19, 1982 17:30 GMT



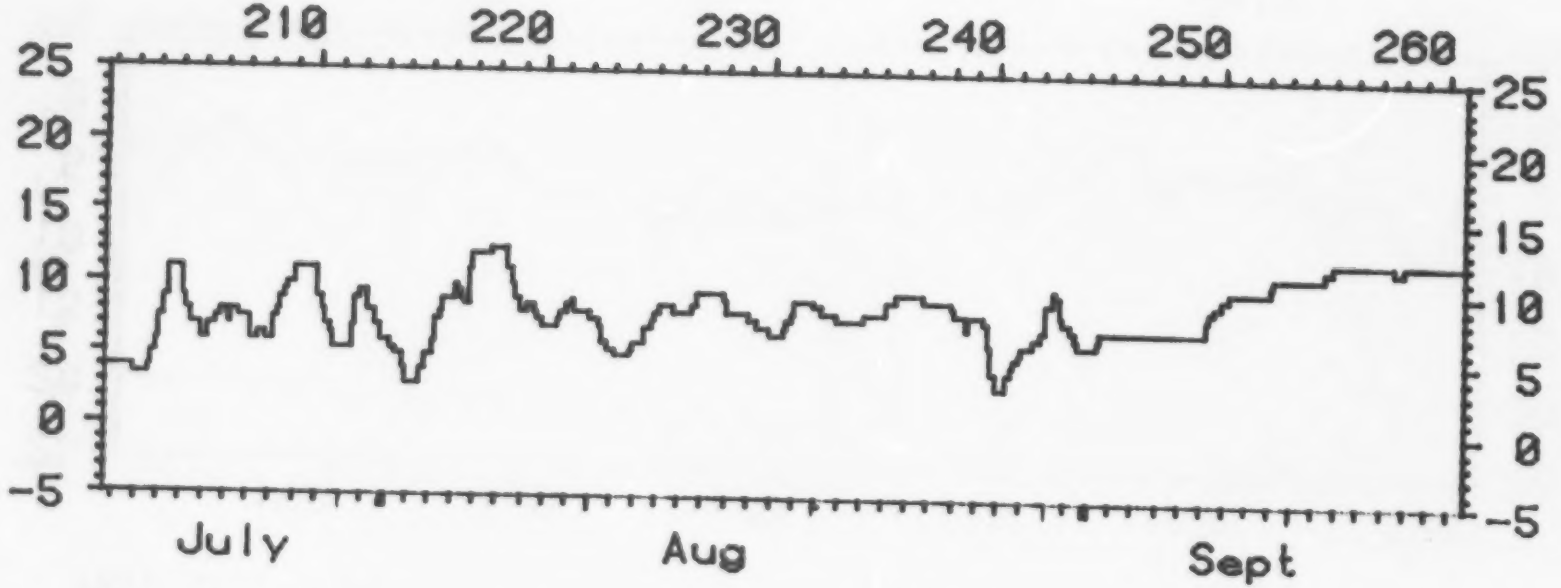
Instrument : 61635

HOLYROOD NFLD

(Page 2)

Pos. : 47.42, 53.17 Depth : 30.0 meters

July 19, 1982 17:30 GMT to Sept 17, 1982 17:30 GMT

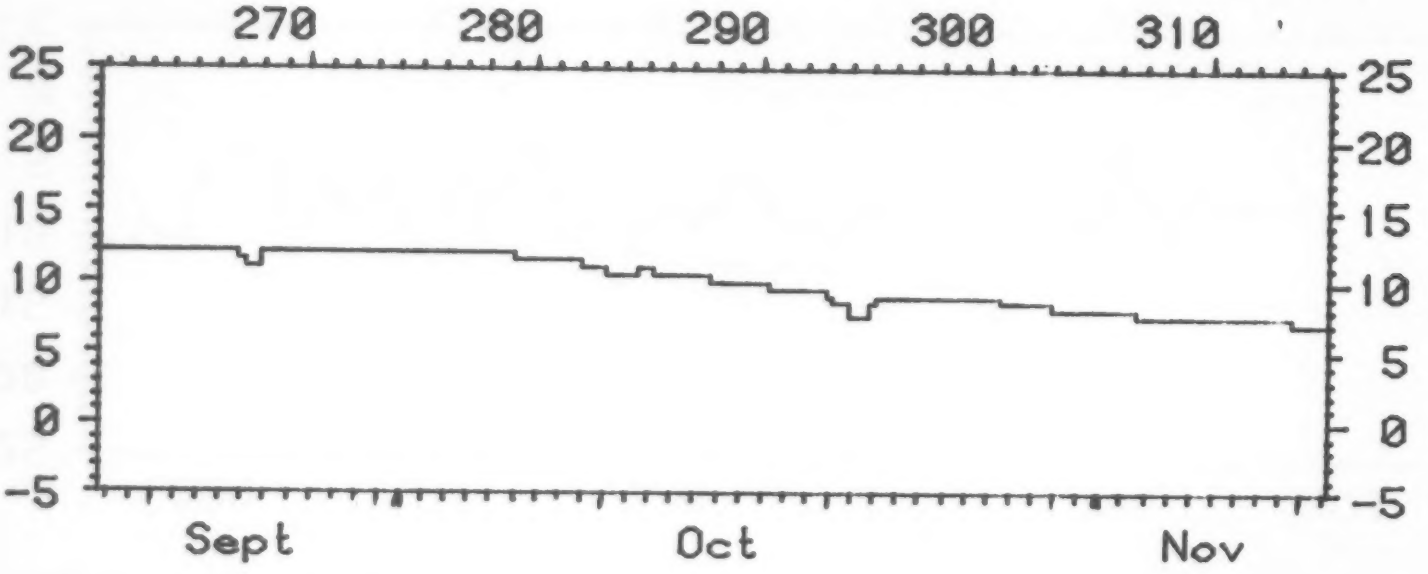


Instrument : 61635

HOLYROOD NFLD (Page 3)

Pos. : 47.42, 53.17 Depth : 30.0 meters

Sept 17, 1982 17:30 GMT to Nov 11, 1982 05:30 GMT



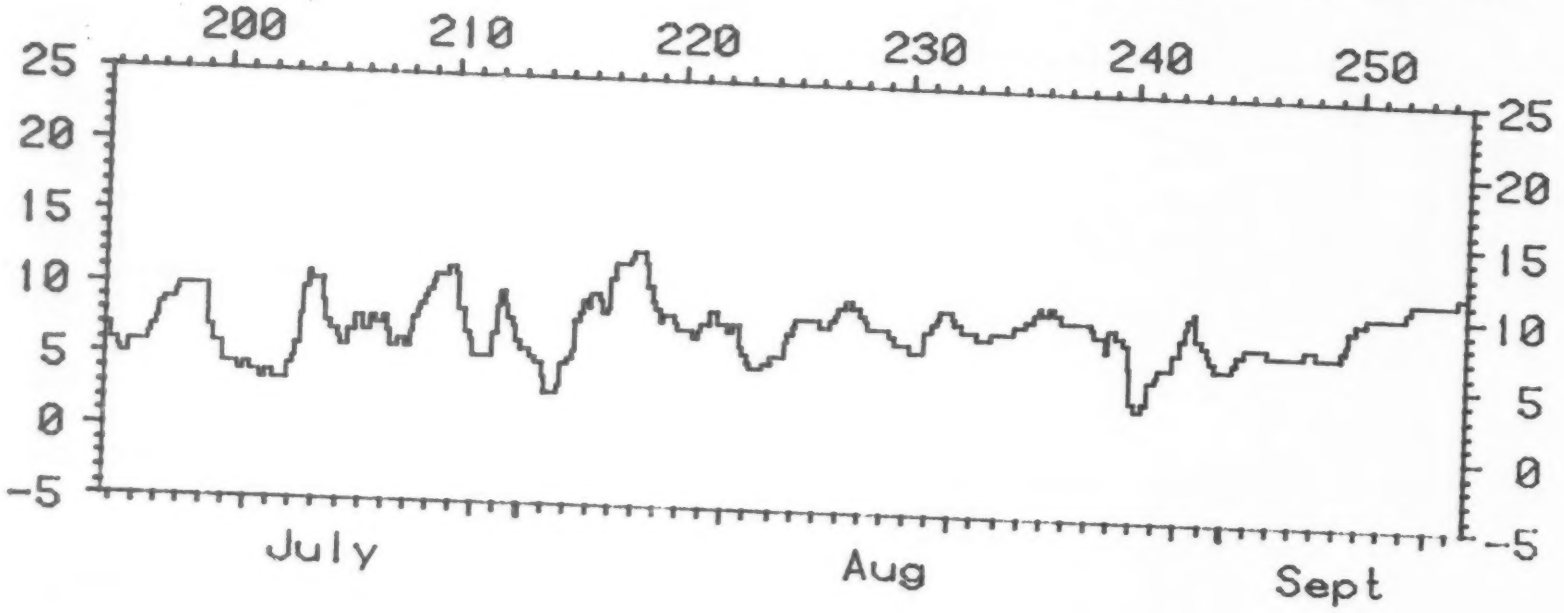
Instrument : 61635

HOLYROOD NFLD

(Page 1)

Pos. : 47.42, 53.17 Depth : 10.0 meters

July 13, 1982 18:00 GMT to Sept 11, 1982 18:00 GMT



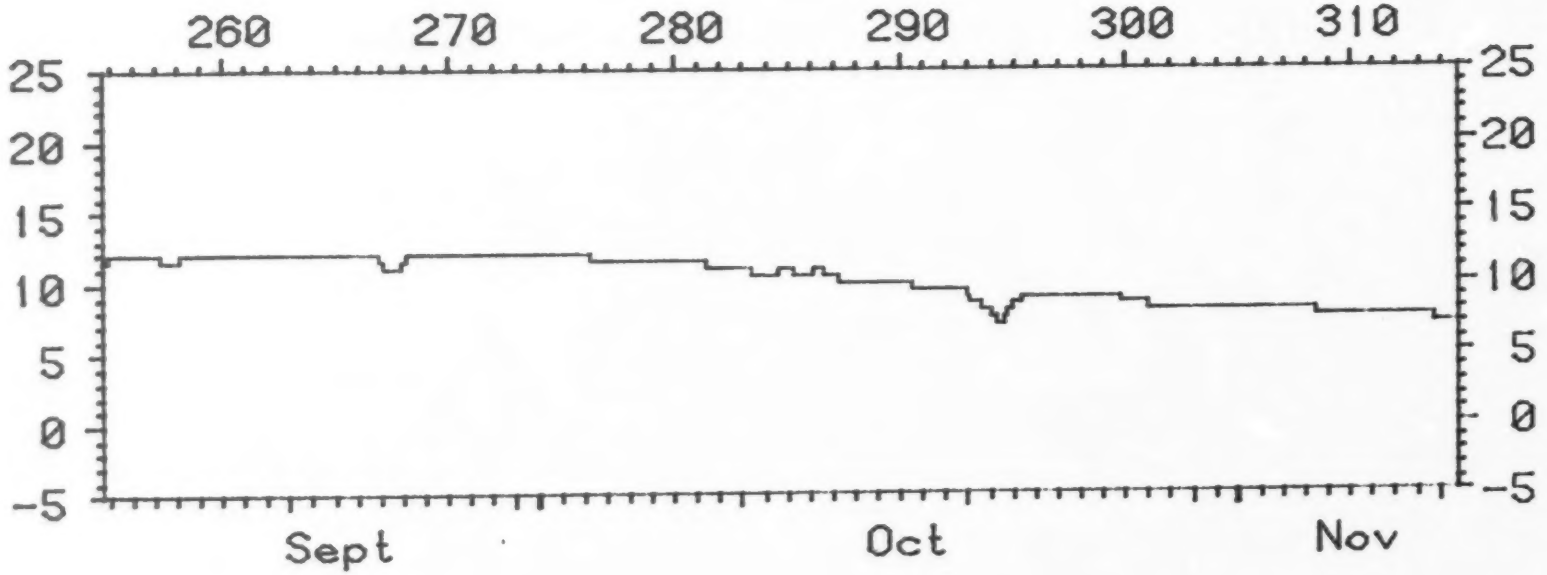
Instrument : 60461

Station 79E

HOLYROOD NFLD (Page 2)

Pos. : 47.42, 53.17 Depth : 10.0 meters

Sept 11, 1982 18:00 GMT to Nov 10, 1982 18:00 GMT

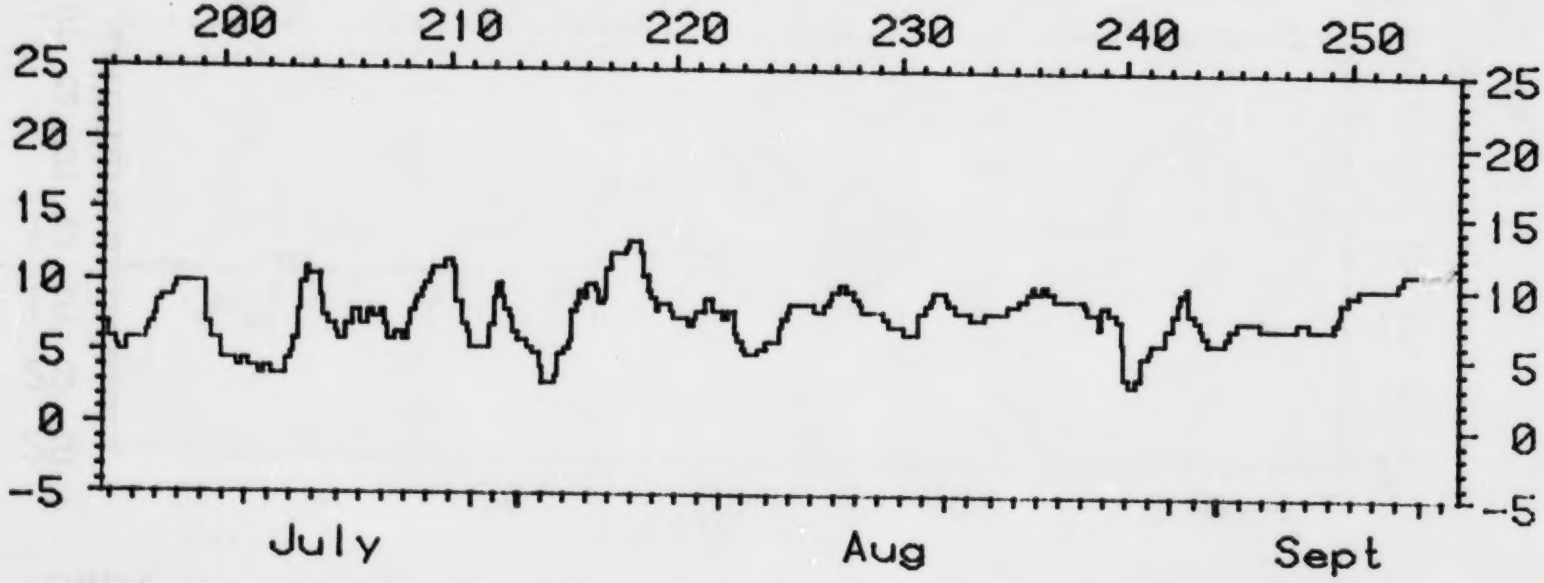


Instrument : 60461

HOLYROOD NFLD (Page 1)

Pos. : 47.42, 53.17 Depth : 10.0 meters

July 13, 1982 18:00 GMT to Sept 11, 1982 18:00 GMT



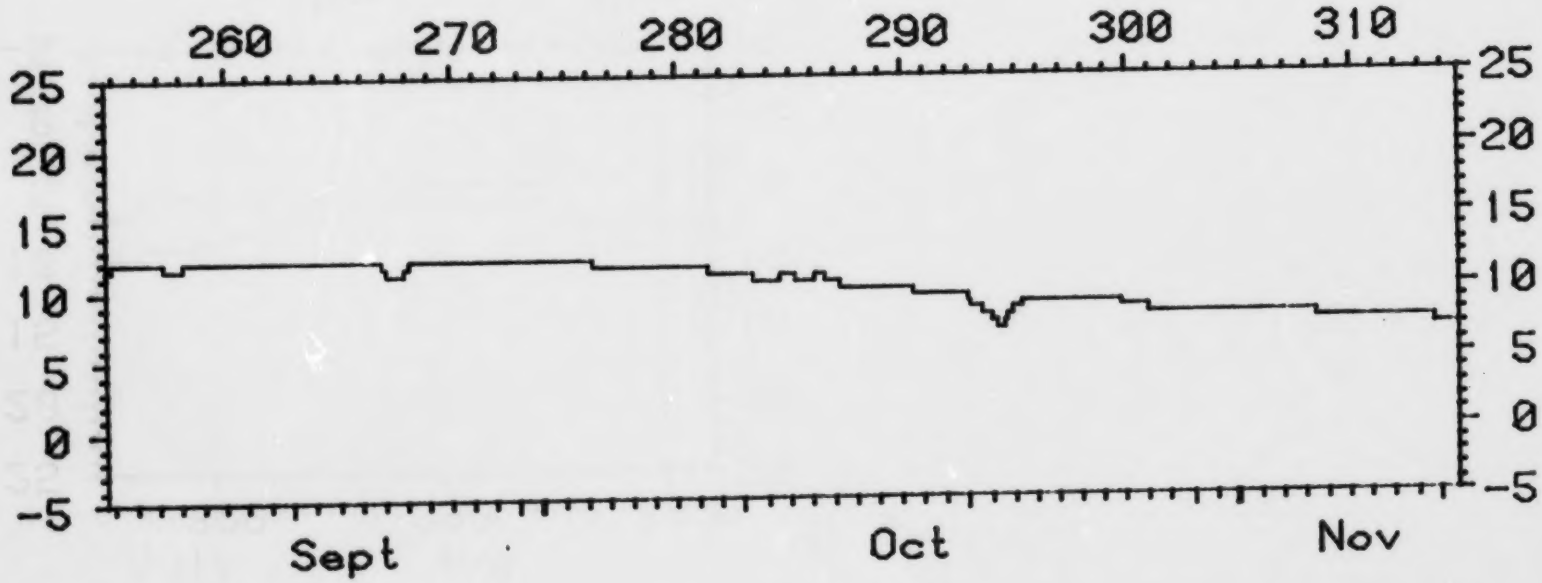
Instrument : 60461

85 Station 79E

HOLYROOD NFLD (Page 2)

Pos. : 47.42, 53.17 Depth : 10.0 meters

Sept 11, 1982 18:00 GMT to Nov 10, 1982 18:00 GMT



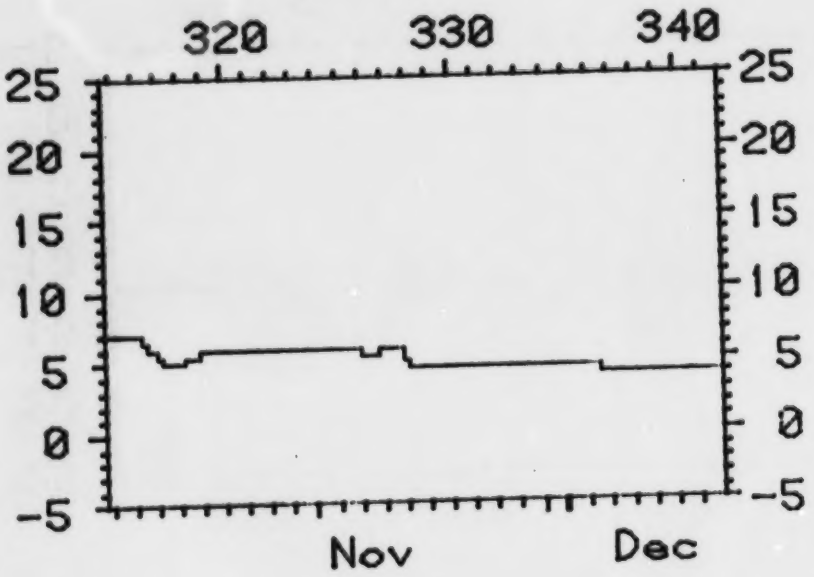
Instrument : 60461

Station 79E (continued)

HOLYROOD NFLD

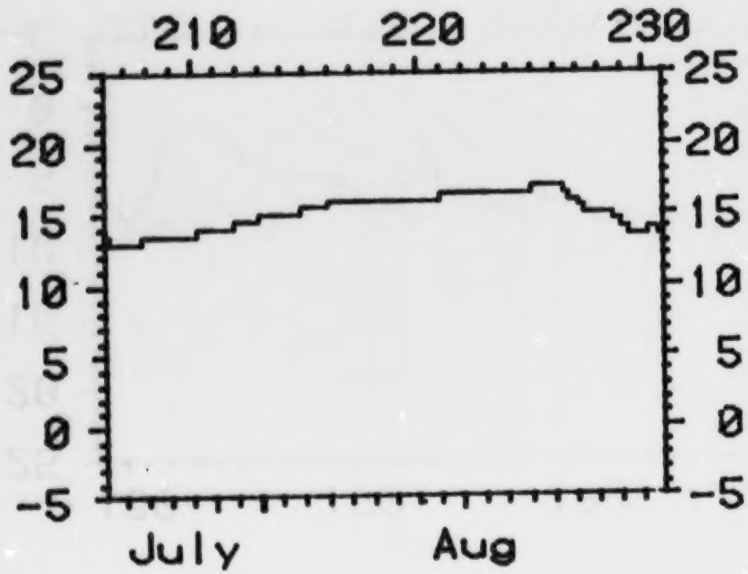
Pos. : 47.42, 53.17 Depth : 10.0 meters

Nov 10, 1982 18:00 GMT to Dec 7, 1982 22:00 GMT



Instrument : 60461

ST. CROIX BAY NFLD
Pos. : 47.42, 53.83 Depth : 6.0 meters
July 25, 1978 04:30 GMT to Aug 18, 1978 20:30 GMT

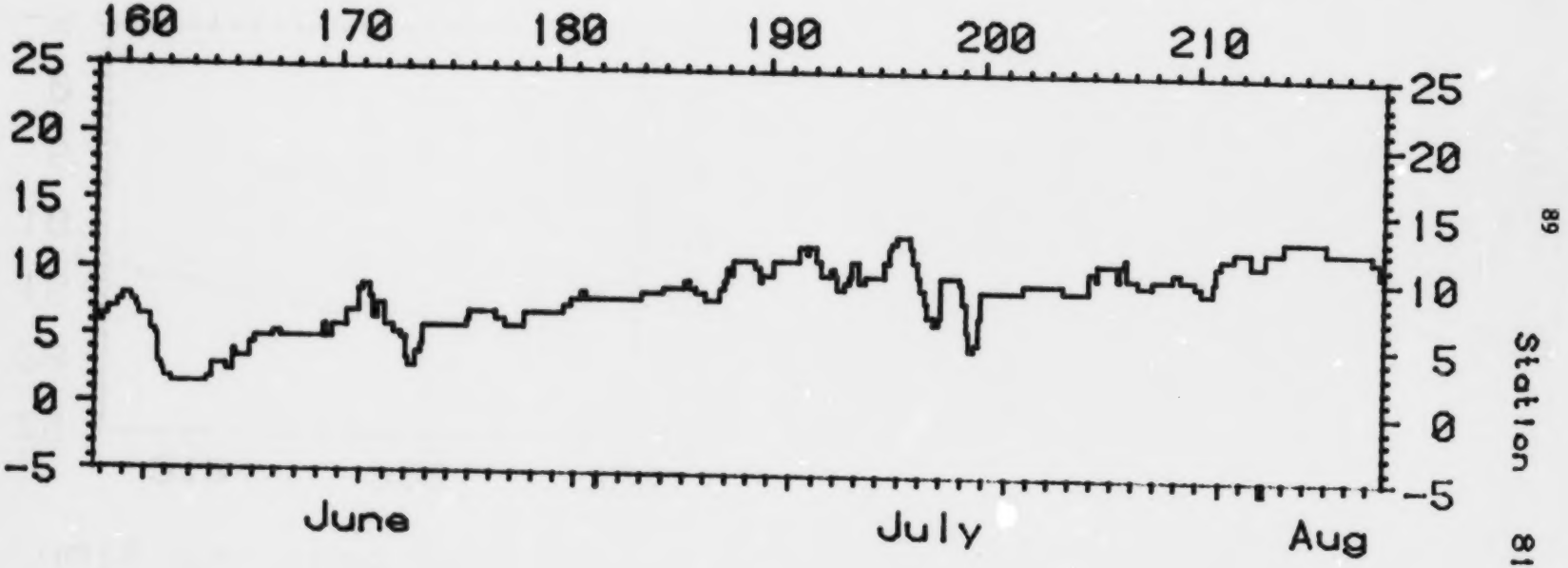


COLINET NFLD

(Page 1)

Pos. : 47.19, 53.58 Depth : 6.0 meters

June 7, 1982 16:20 GMT to Aug 6, 1982 16:20 GMT



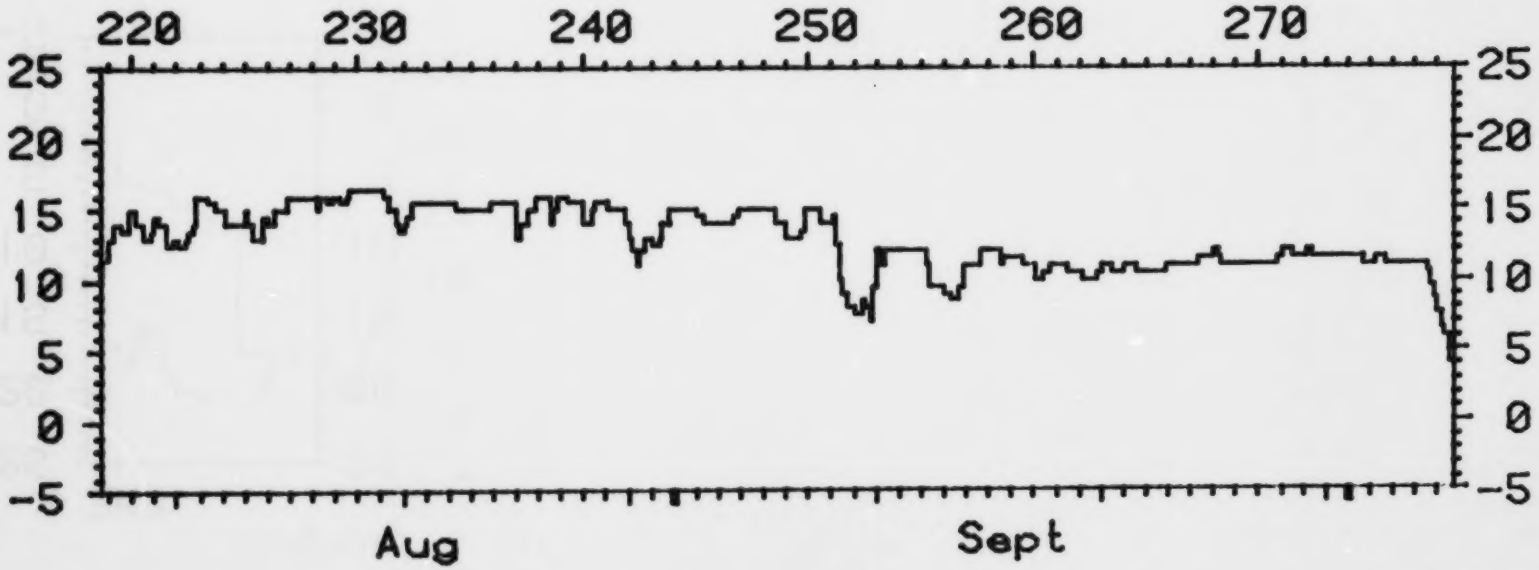
Instrument : 62461

89 Station 81A

COLINET NFLD (Page 2)

Pos. : 47.19, 53.58 Depth : 6.0 meters

Aug 6, 1982 16:20 GMT to Oct 5, 1982 16:20 GMT

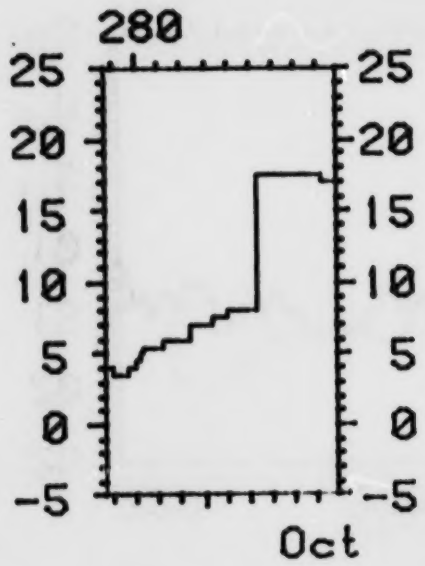


Instrument : 62461

COLINET NFLD (Page 3)

Pos. : 47.19, 53.58 Depth : 6.0 meters

Oct 5, 1982 16:20 GMT to Oct 15, 1982 20:20 GMT

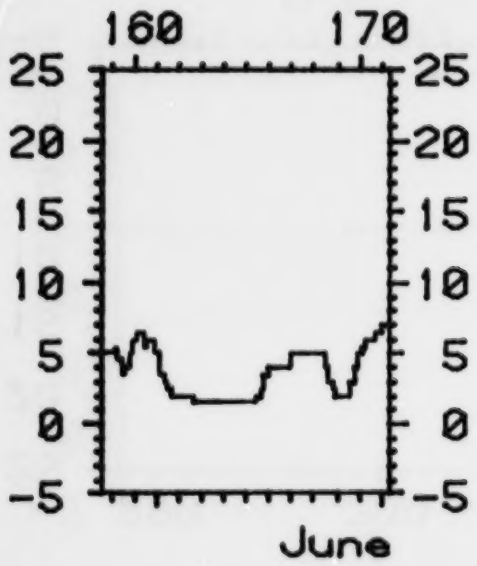


Instrument : 62461

COLINET NFLD

Pos. : 47.19, 53.58 Depth : 16.0 meters

June 7, 1982 15:19 GMT to June 20, 1982 07:19 GMT



Station 81B 92

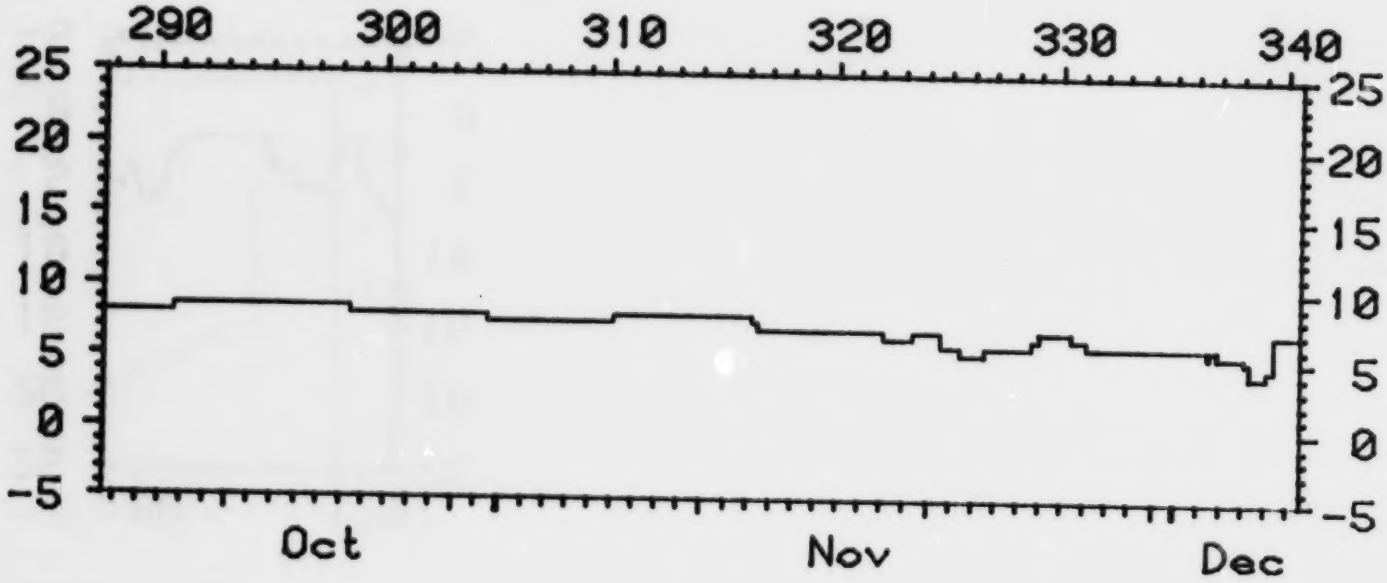
Instrument : 62478

APPARENT FAILURE OF PEN MECHANISM AFTER 2 WEEKS.

COLINET NFLD

Pos. : 47.19, 53.58 Depth : 6.0 meters

Oct 14, 1982 14:45 GMT to Dec 6, 1982 14:45 GMT

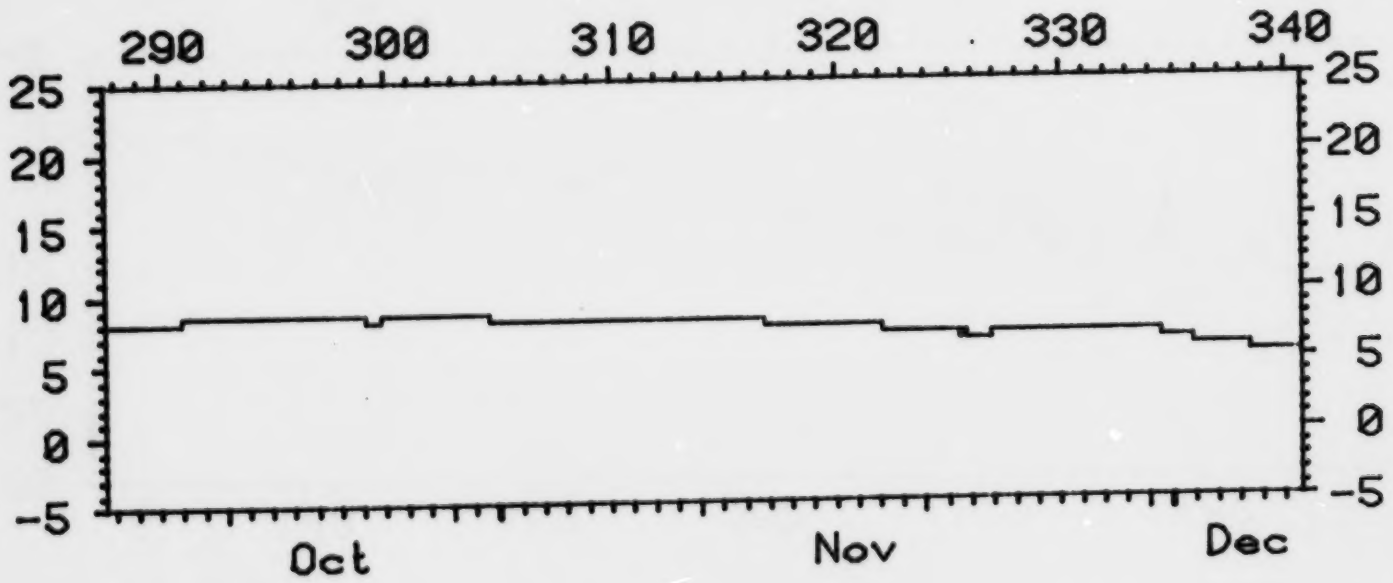


Instrument : 62494

COLINET NFLD

Pos. : 47.19, 53.58 Depth : 16.0 meters

Oct 14, 1982 15:00 GMT to Dec 6, 1982 19:00 GMT



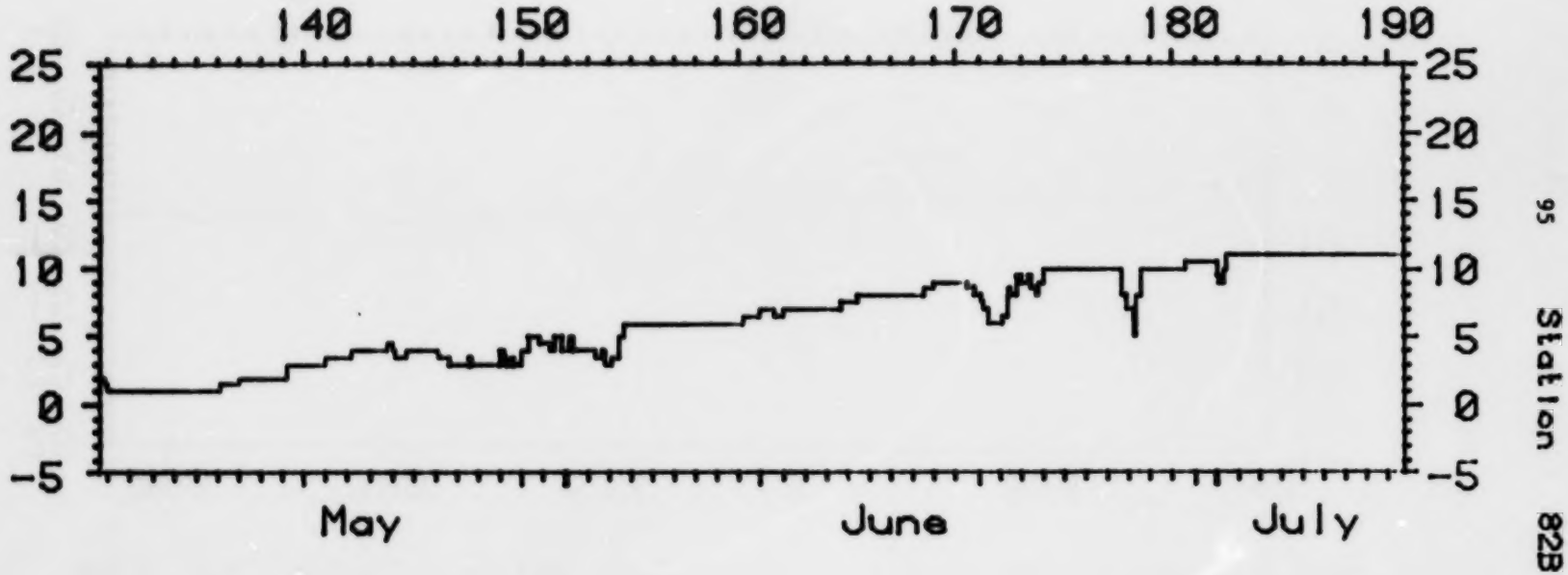
Instrument : 62492

94 Station 81C

SHAG ROCKS - PLACENTIA BAY NFLD (Page 1)

Pos. : 47.42, 53.83 Depth : 12.0 meters

May 10, 1979 15:49 GMT to July 9, 1979 15:49 GMT

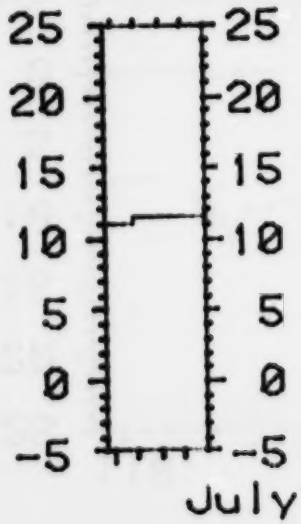


NO SERIAL NUMBER RECORDED.

SHAG ROCKS - PLACENTIA BAY NFLD (Page 2)

Pos. : 47.42, 53.83 Depth : 12.0 meters

July 9, 1979 15:49 GMT to July 13, 1979 23:49 GMT

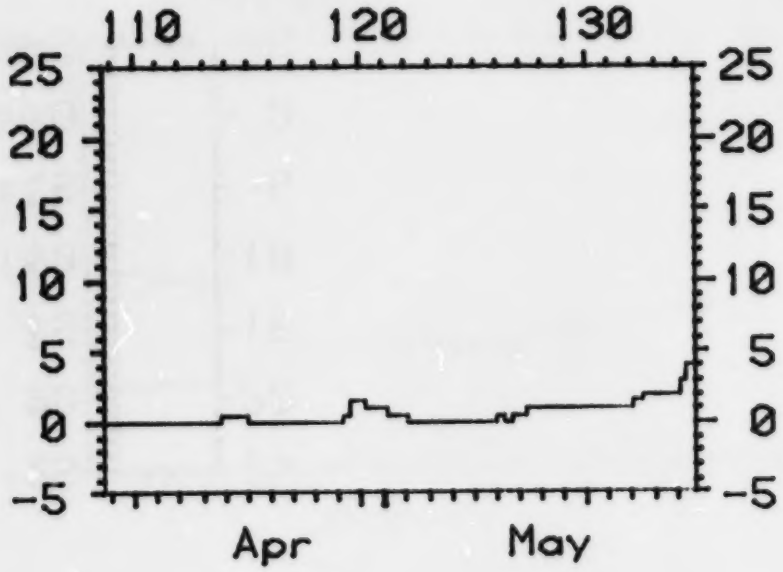


NO SERIAL NUMBER RECORDED.

SHAG ROCKS - PLACENTIA BAY NFLD

Pos. : 47.42, 53.83 Depth : 6.0 meters

Apr 18, 1979 16:30 GMT to May 14, 1979 20:30 GMT



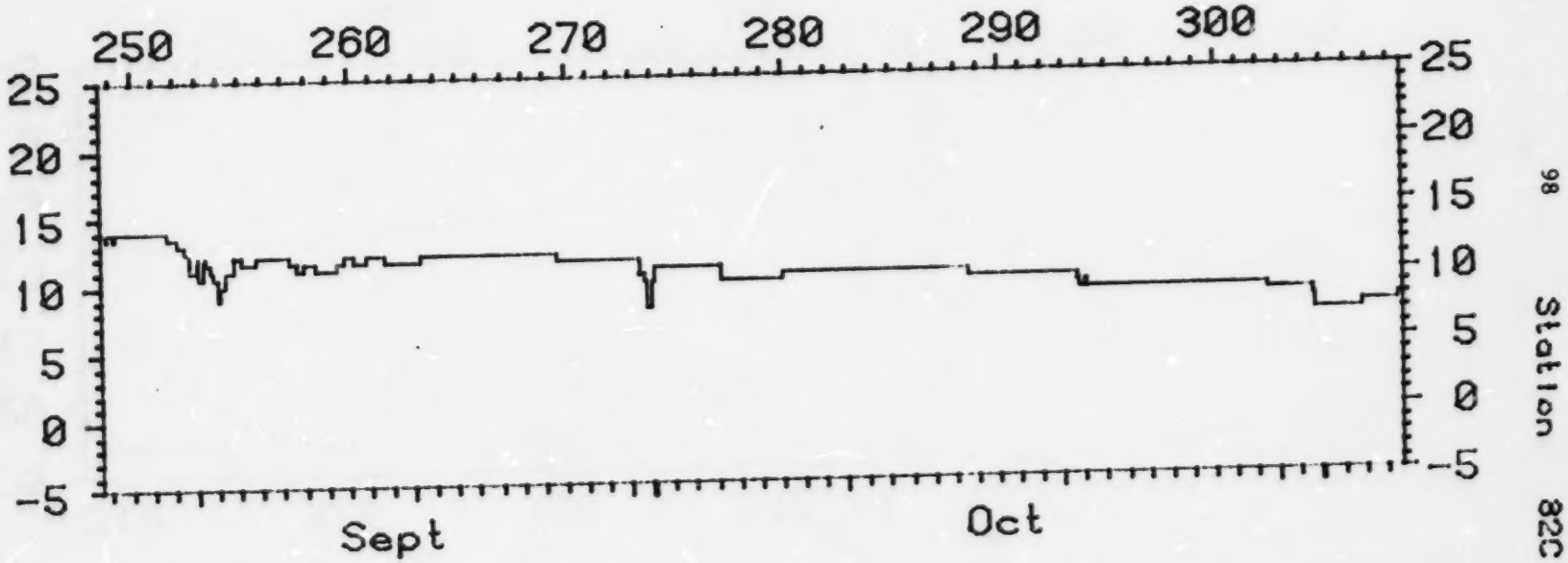
97 Station 82A

NO SERIAL NUMBER RECORDED.

SHAG ROCKS - PLACENTIA BAY NFLD (Page 1)

Pos. : 47.42, 53.83 Depth : 12.0 meters

Sept 5, 1979 15:00 GMT to Nov 4, 1979 15:00 GMT

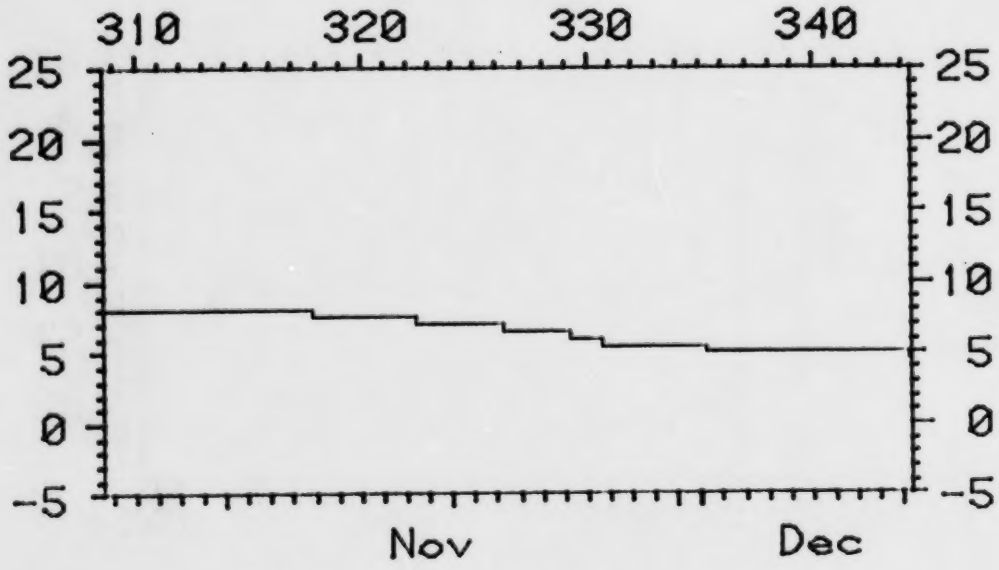


NO SERIAL NUMBER RECORDED.

SHAG ROCKS - PLACENTIA BAY NFLD (Page 2)

Pos. : 47.42, 53.83 Depth : 12.0 meters

Nov 4, 1979 15:00 GMT to Dec 10, 1979 11:00 GMT

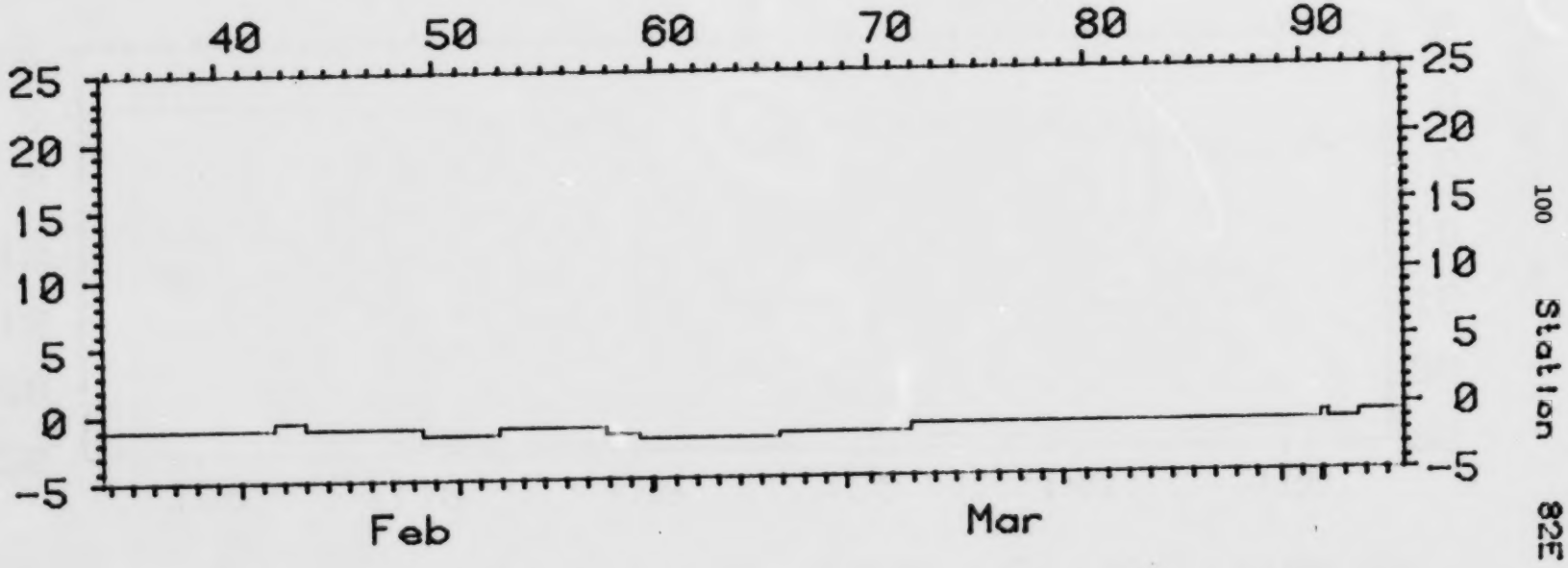


NO SERIAL NUMBER RECORDED.

SHAG ROCKS - PLACENTIA BAY NFLD (Page 1)

Pos. : 47.42, 53.83 Depth : 9.0 meters

Feb 3, 1982 17:00 GMT to Apr 4, 1982 17:00 GMT

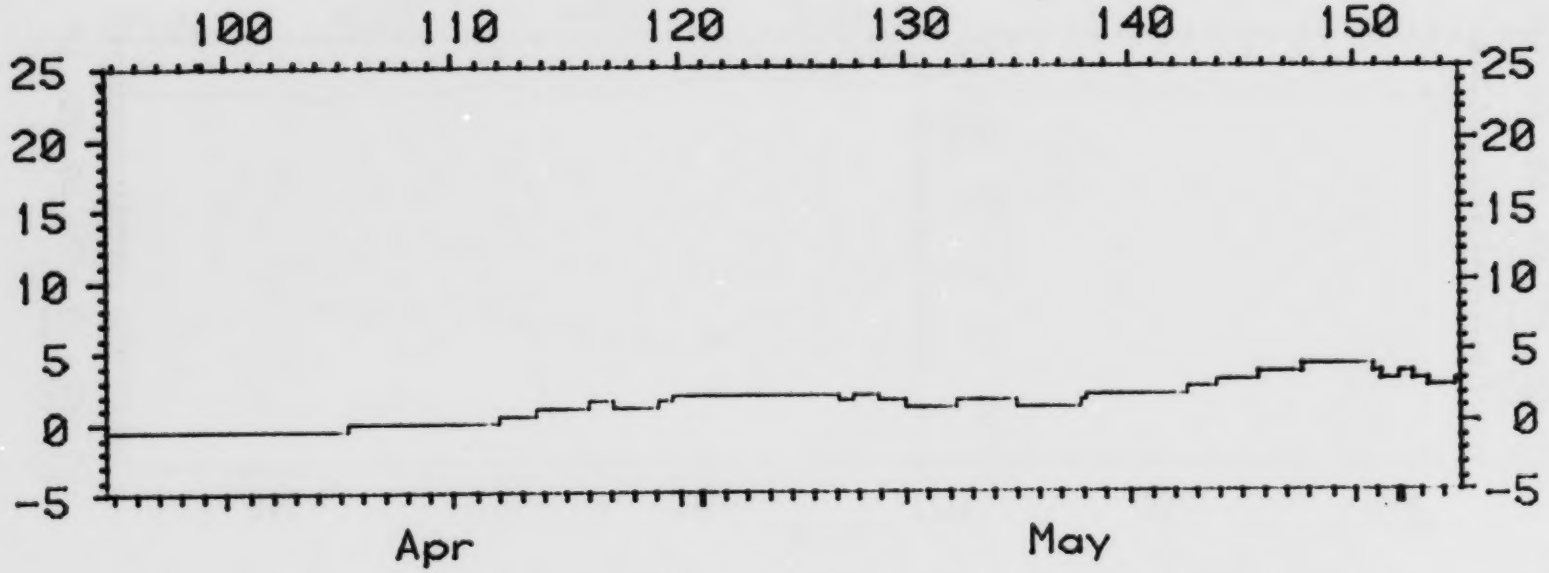


Instrument : 61044

SHAG ROCKS - PLACENTIA BAY NFLD (Page 2)

Pos. : 47.42, 53.83 Depth : 9.0 meters

Apr 4, 1982 17:00 GMT to June 3, 1982 17:00 GMT

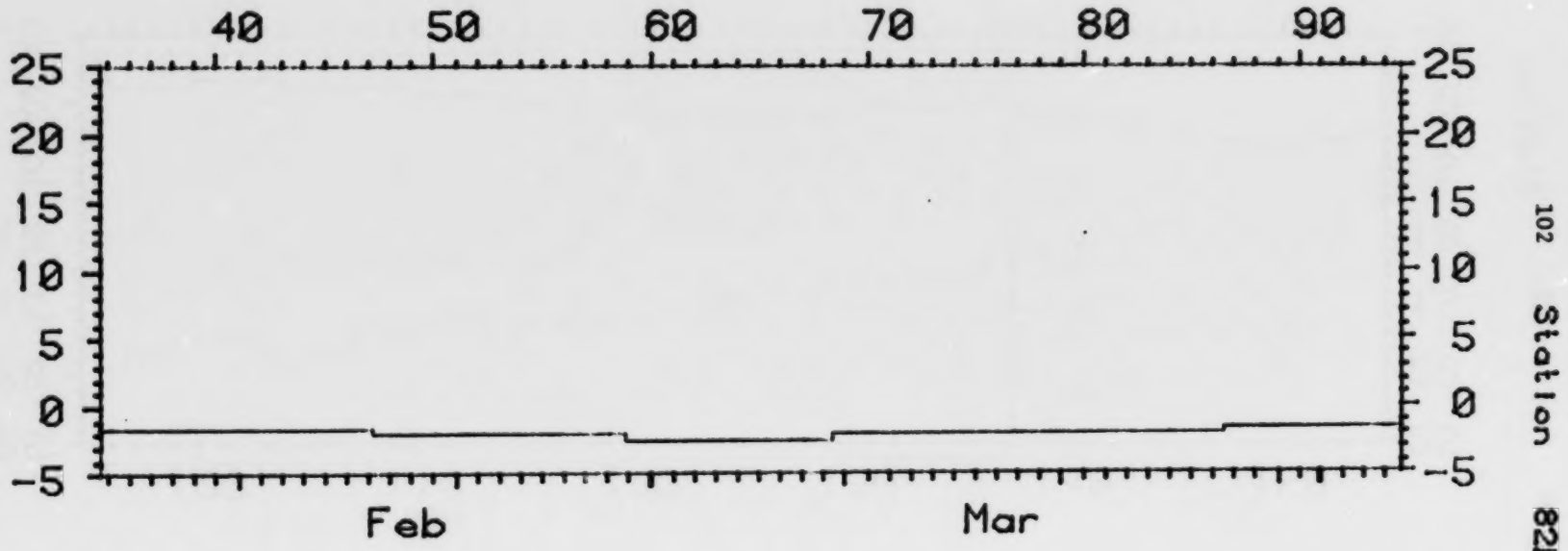


Instrument : 61044

SHAG ROCKS - PLACENTIA BAY NFLD (Page 1)

Pos. : 47.42, 53.83 Depth : 9.0 meters

Feb 3, 1982 17:00 GMT to Apr 4, 1982 17:00 GMT

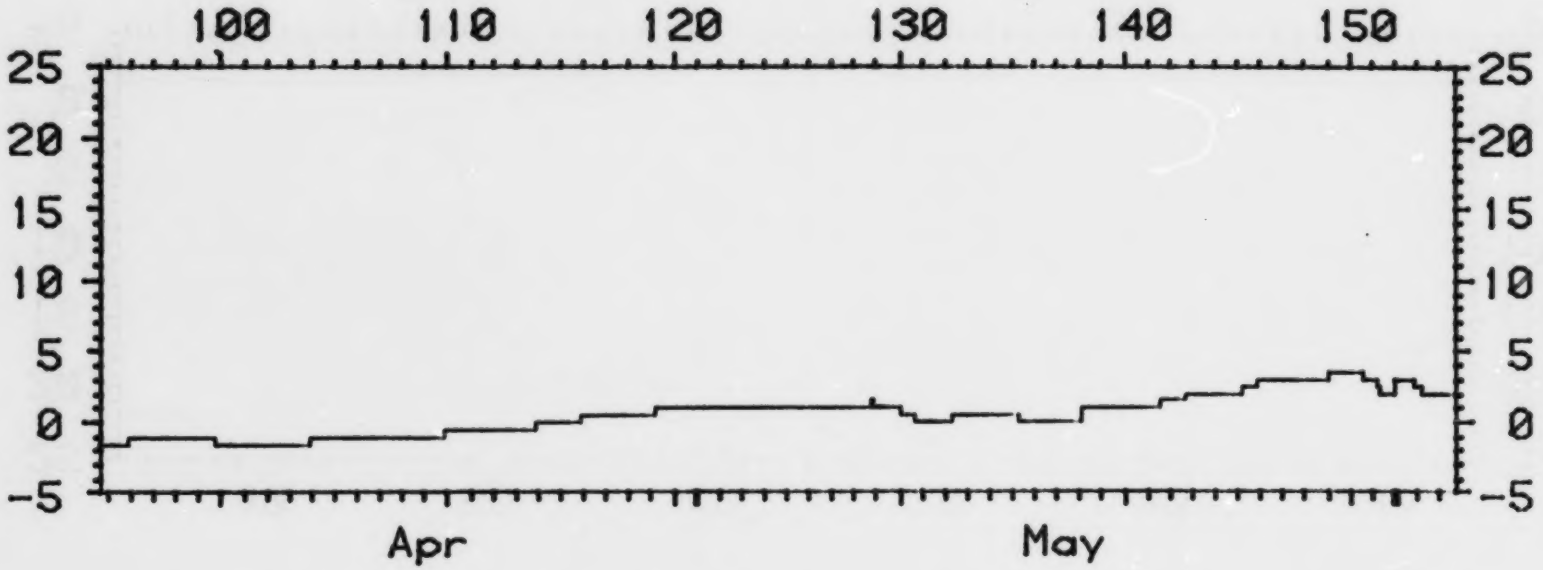


Instrument : 60910

SHAG ROCKS - PLACENTIA BAY NFLD (Page 2)

Pos. : 47.42, 53.83 Depth : 9.0 meters

Apr 4, 1982 17:00 GMT to June 3, 1982 17:00 GMT

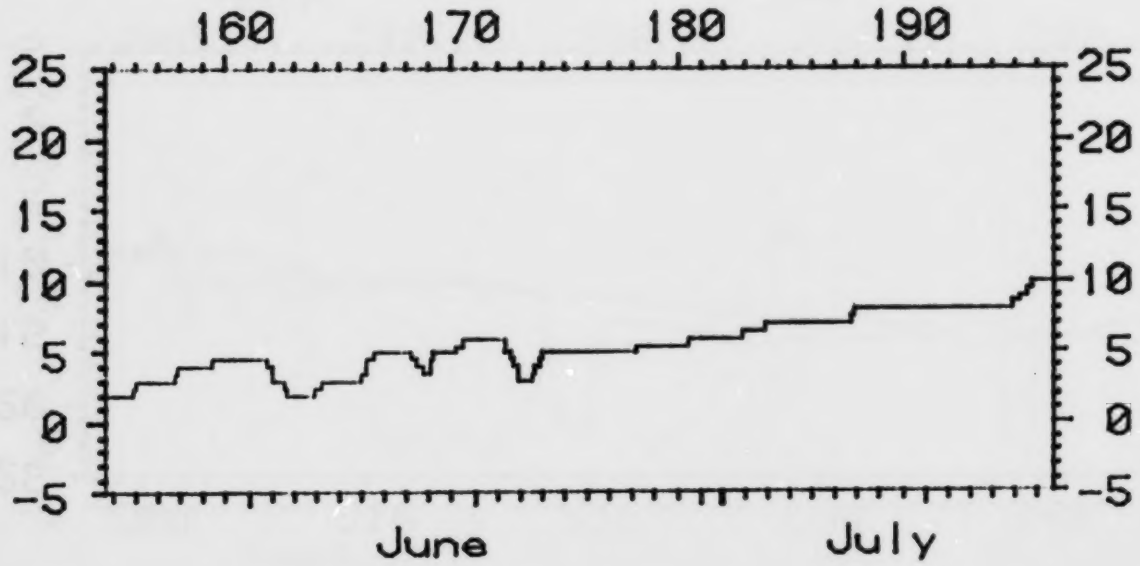


Instrument : 60910

SHAG ROCKS - PLACENTIA BAY NFLD (Page 3)

Pos. : 47.42, 53.83 Depth : 9.0 meters

June 3, 1982 17:00 GMT to July 15, 1982 17:00 GMT

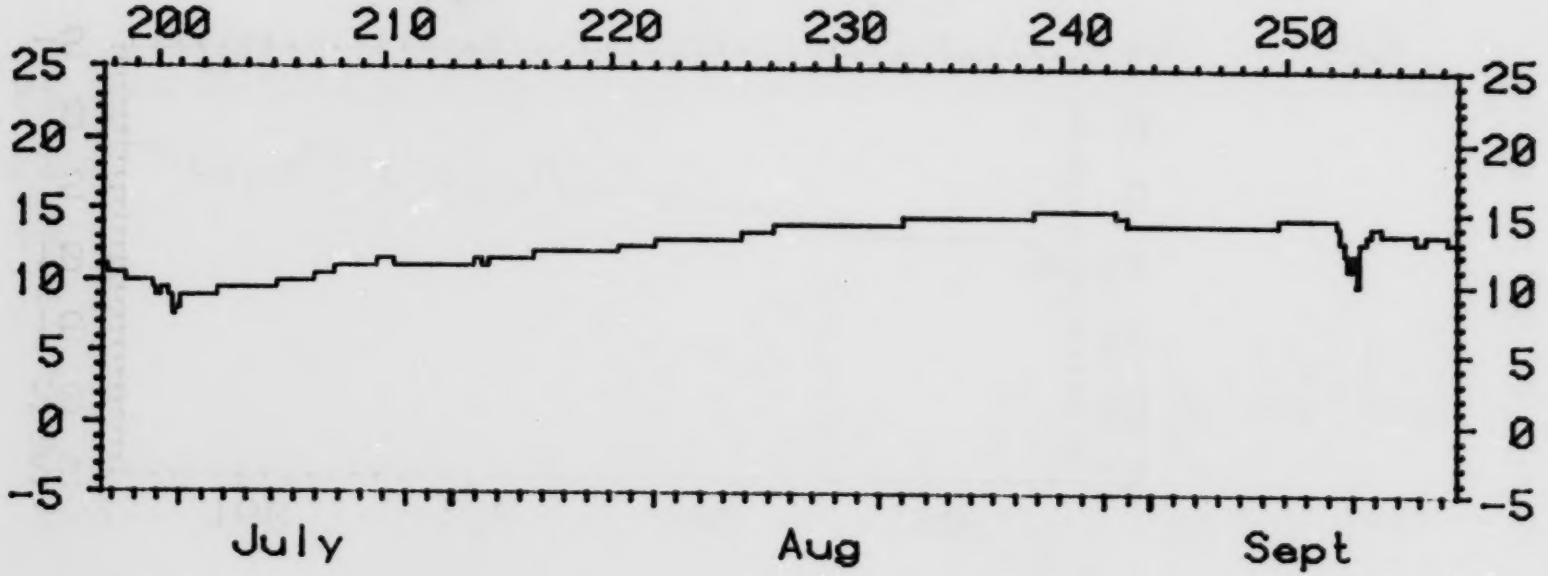


Instrument : 60910

SHAG ROCKS - PLACENTIA BAY NFLD (Page 1)

Pos. : 47.42, 53.83 Depth : 9.0 meters

July 16, 1982 14:30 GMT to Sept 14, 1982 14:30 GMT



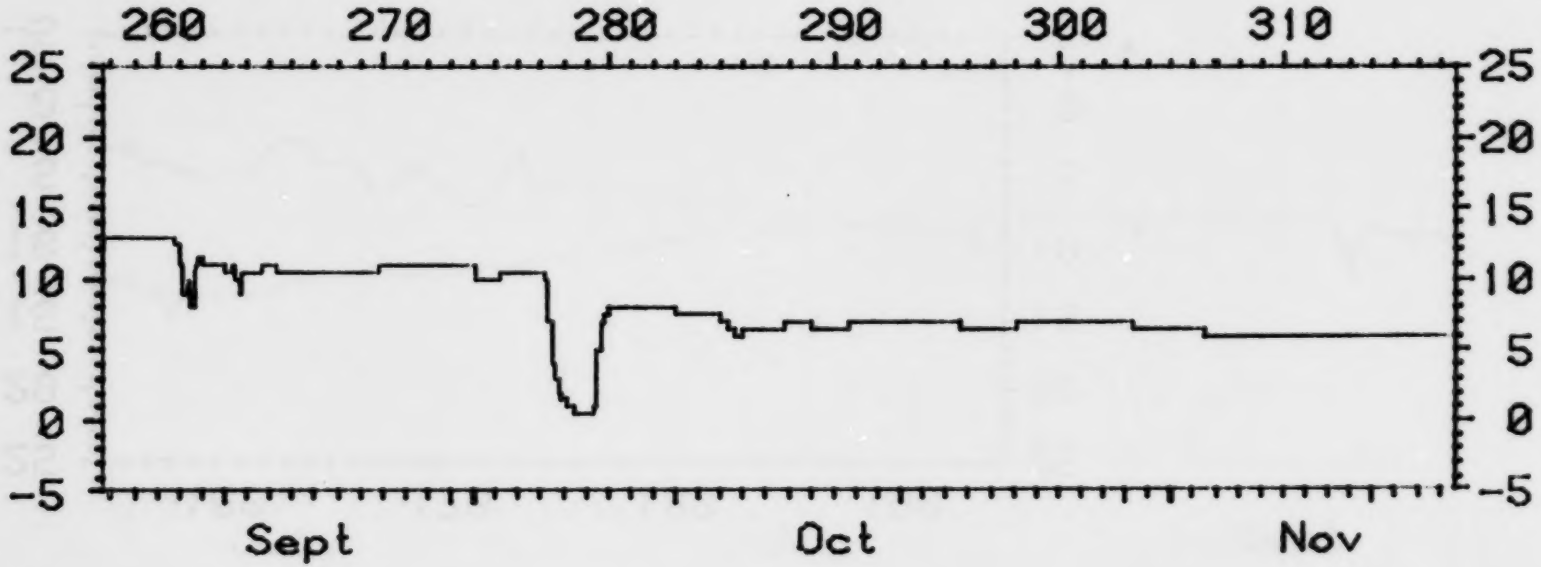
105 Station 826

Instrument : 62541

SHAG ROCKS - PLACENTIA BAY NFLD (Page 2)

Pos. : 47.42, 53.83 Depth : 9.0 meters

Sept 14, 1982 15:30 GMT to Nov 13, 1982 15:30 GMT



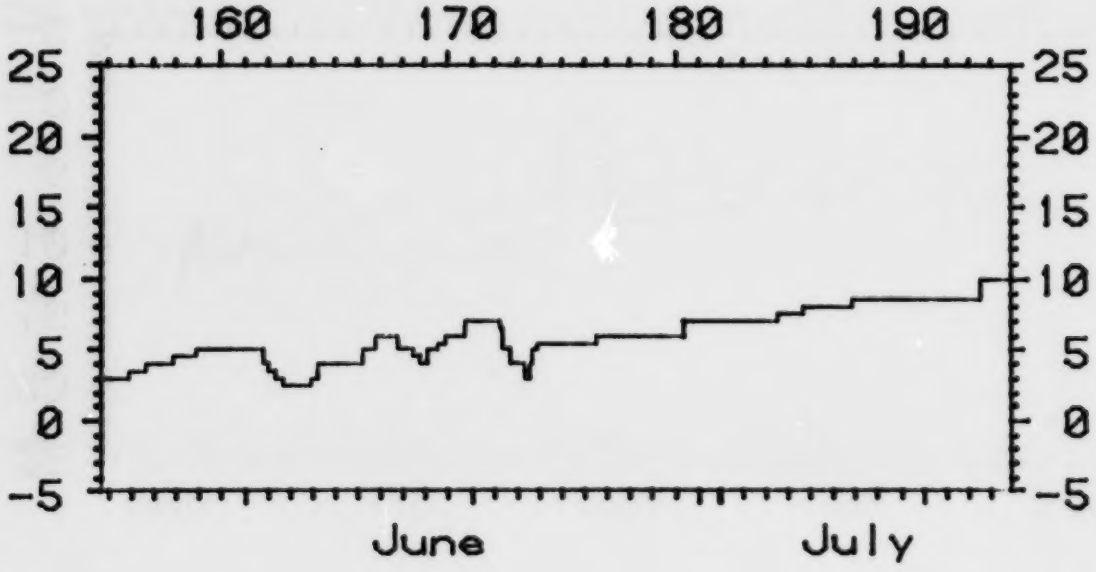
Instrument : 62510

106 Station 82F (continued)

SHAG ROCKS - PLACENTIA BAY NFLD (Page 3)

Pos. : 47.42, 53.83 Depth : 9.0 meters

June 3, 1982 17:00 GMT to July 13, 1982 21:00 GMT

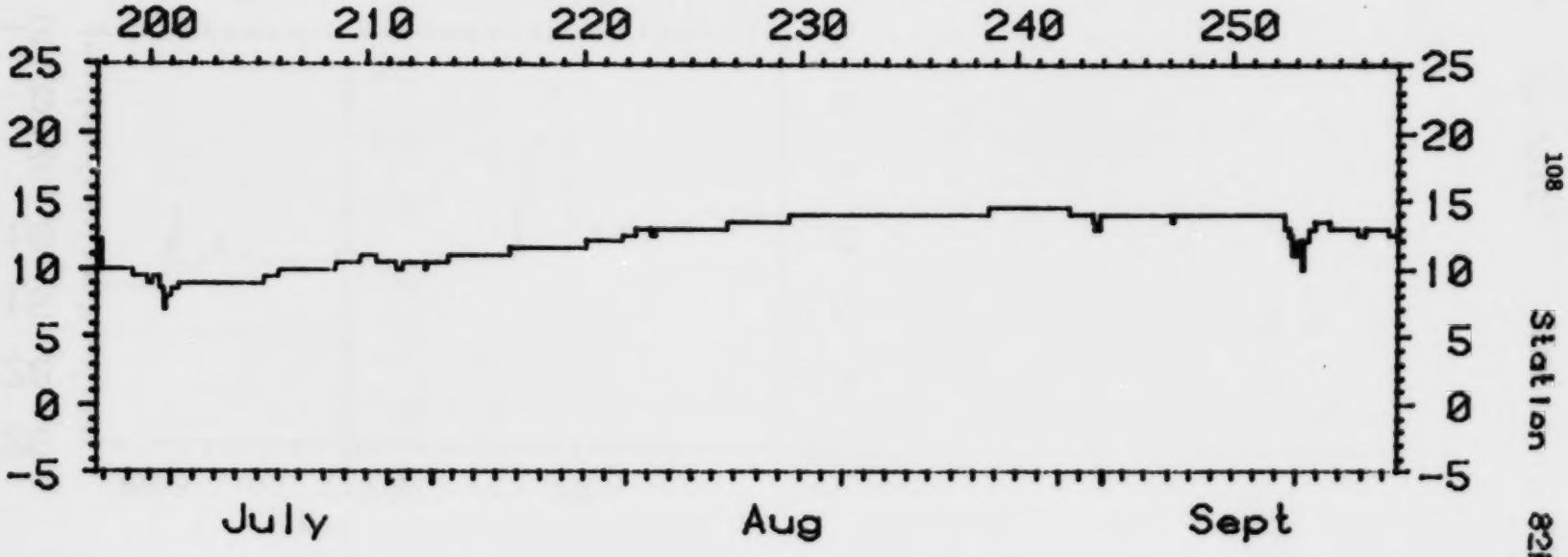


Instrument : 61044

SHAG ROCKS - PLACENTIA BAY NFLD (Page 1)

Pos. : 47.42, 53.83 Depth : 9.0 meters

July 16, 1982 15:30 GMT to Sept 14, 1982 15:30 GMT

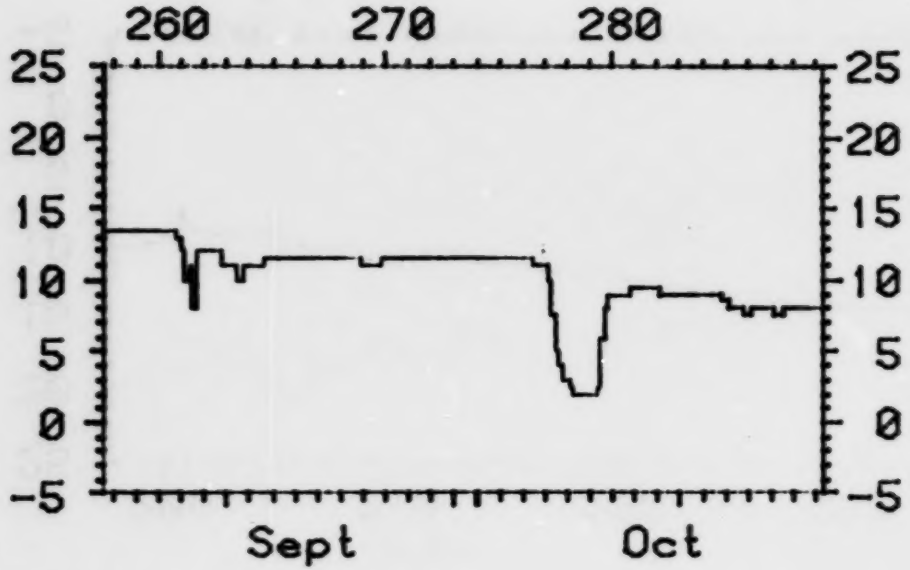


Instrument : 62510

SHAG ROCKS - PLACENTIA BAY NFLD (Page 2)

Pos. : 47.42, 53.83 Depth : 9.0 meters

Sept 14, 1982 14:30 GMT to Oct 16, 1982 06:30 GMT

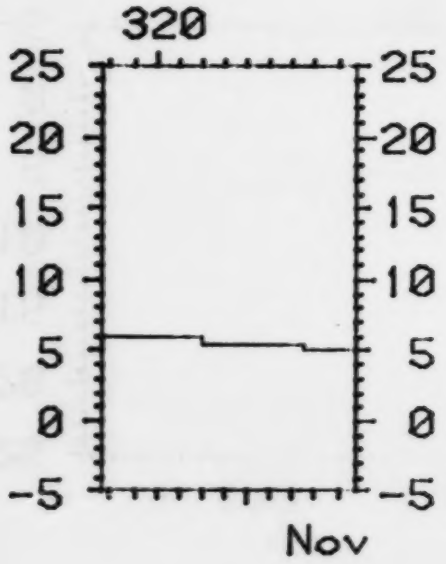


Instrument : 62541

SHAG ROCKS - PLACENTIA BAY NFLD (Page 3)

Pos. : 47.42, 53.83 Depth : 9.0 meters

Nov 13, 1982 15:30 GMT to Nov 24, 1982 19:30 GMT

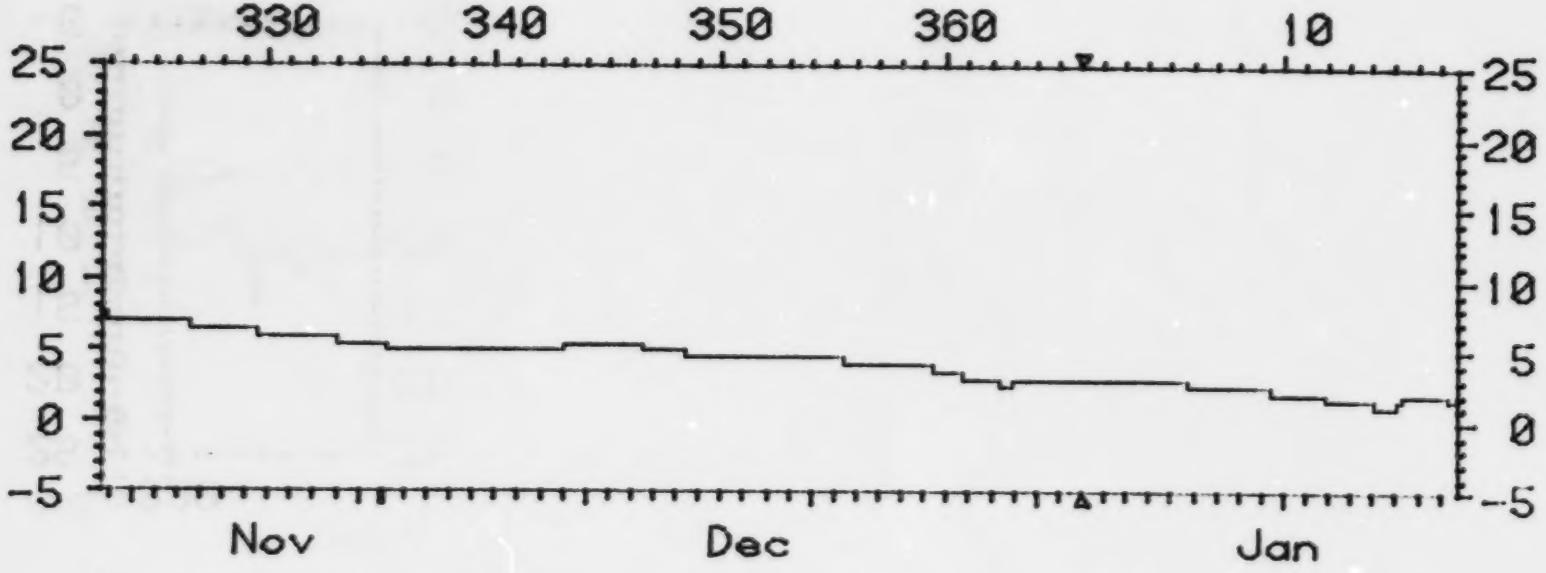


Instrument : 62510

SPENCERS COVE - PLACENTIA BAY NFLD (Page 1)

Pos. : 47.67, 54.38 Depth : 9.0 meters

Nov 18, 1981 18:00 GMT to Jan 17, 1982 18:00 GMT



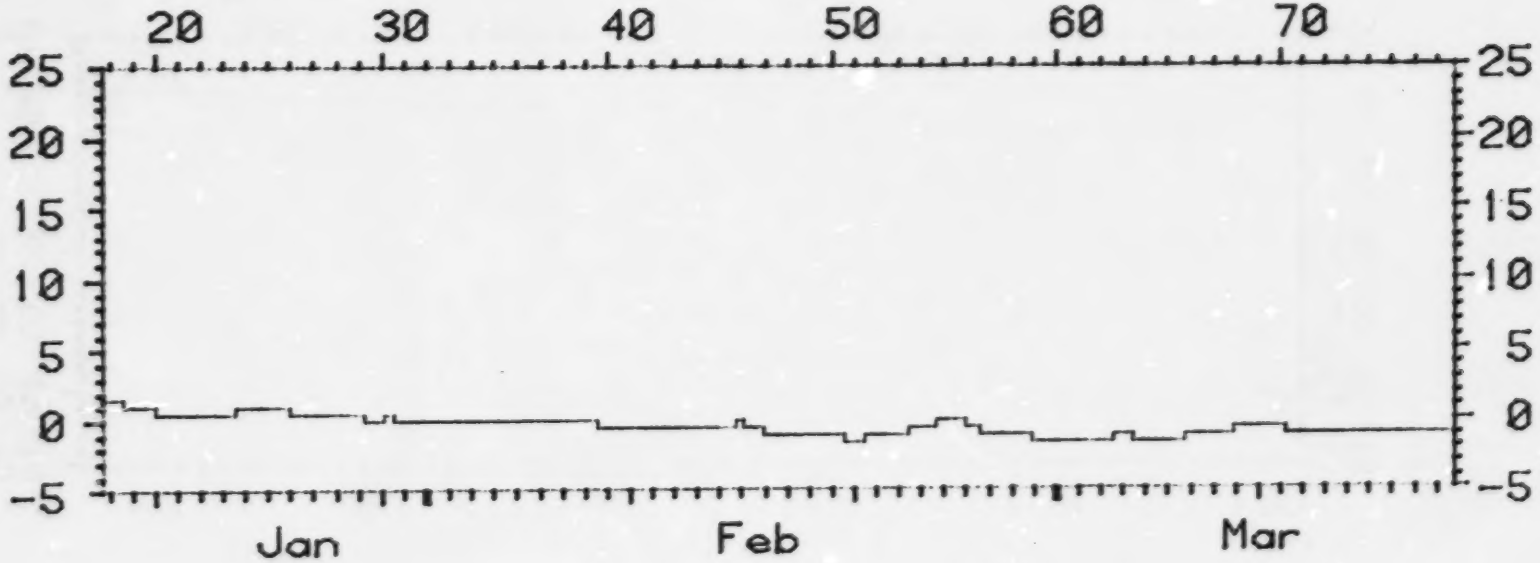
Station 83A 111

Instrument : 61681

SPENCERS COVE - PLACENTIA BAY NFLD (Page 2)

Pos. : 47.67, 54.08 Depth : 9.0 meters

Jan 17, 1982 18:00 GMT to Mar 18, 1982 18:00 GMT



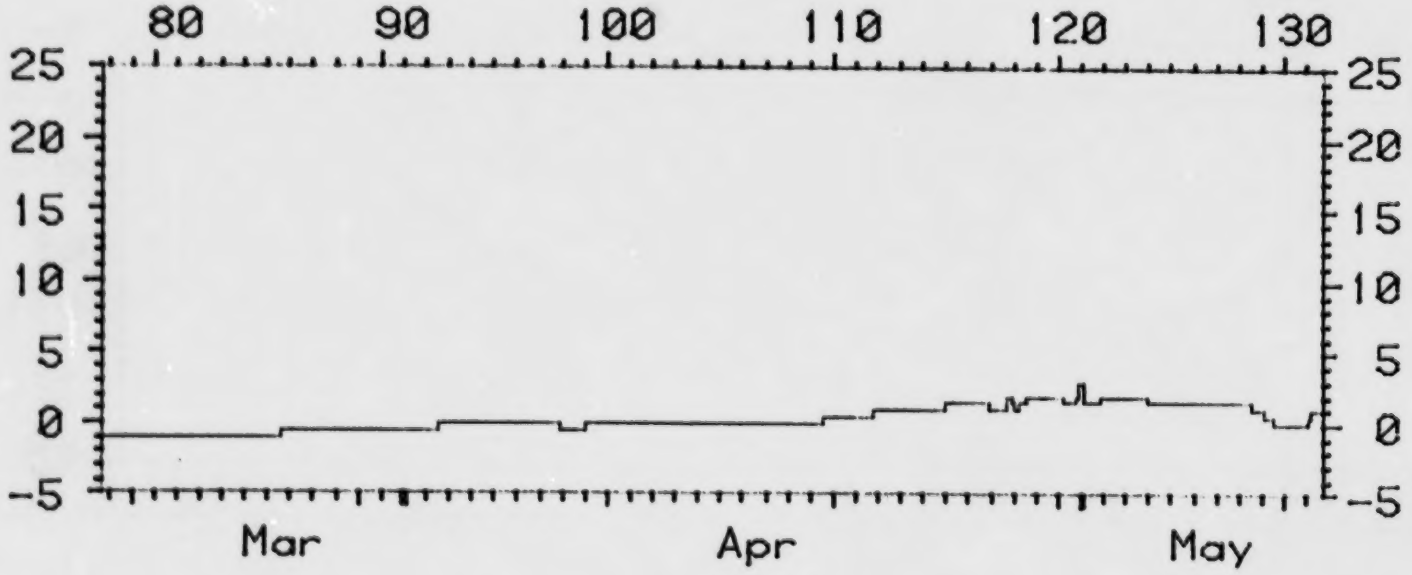
Instrument : 61681

Station 83A (continued)

SPENCERS COVE - PLACENTIA BAY NFLD (Page 3)

Pos. : 47.67, 54.08 Depth : 9.0 meters

Mar 18, 1982 18:00 GMT to May 11, 1982 18:00 GMT



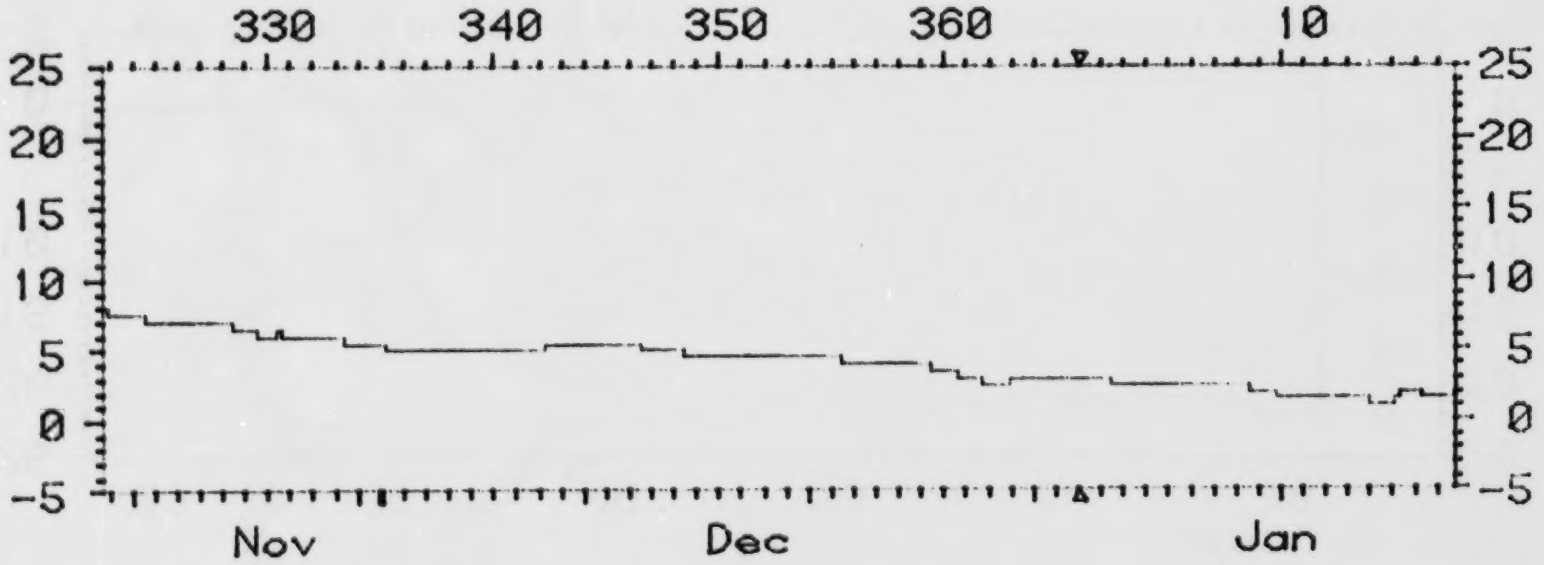
Instrument : 61681

Station 83A (continued)

SPENCERS COVE - PLACENTIA BAY NFLD (Page 1)

Pos. : 47.67, 54.08 Depth : 9.0 meters

Nov 18, 1981 18:00 GMT to Jan 17, 1982 18:00 GMT



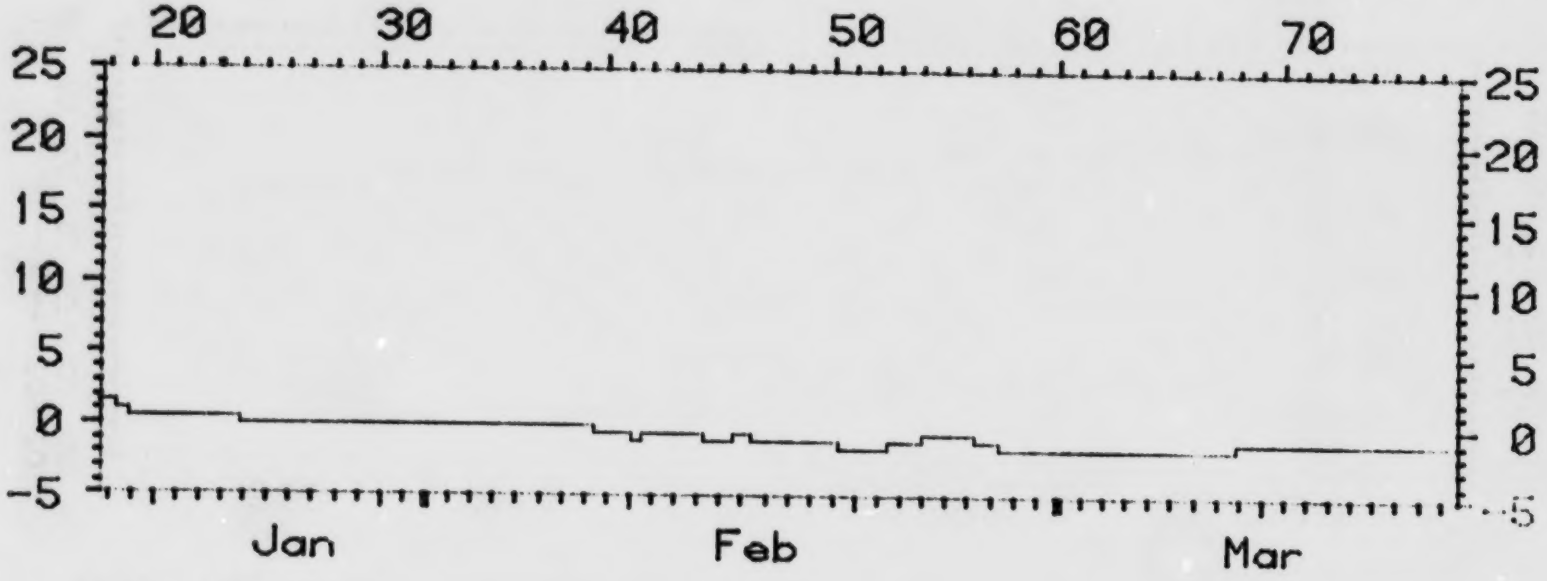
Instrument : 61682

114 Station 833

SPENCERS COVE - PLACENTIA BAY NFLD (Page 2)

Pos. : 47.67, 54.08 Depth : 9.0 meters

Jan 17, 1982 18:00 GMT to Mar 18, 1982 18:00 GMT



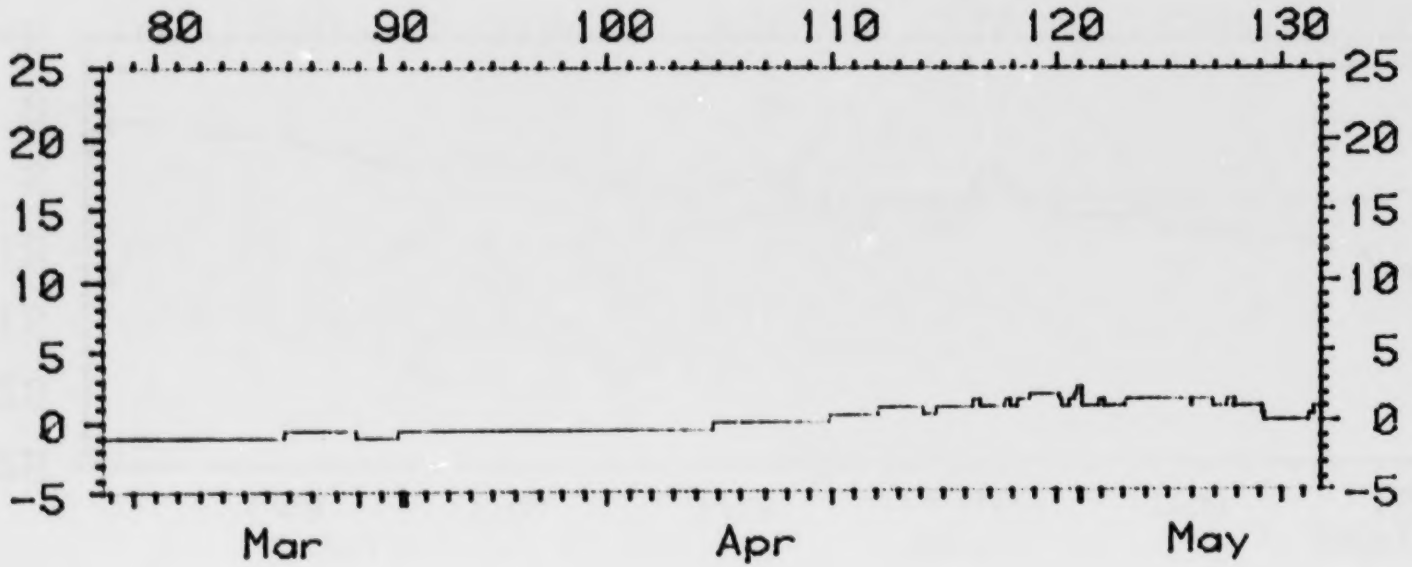
Instrument : 61682

Station 838 (continued)

SPENCERS COVE - PLACENTIA BAY NFLD (Page 3)

Pos. : 47.67, 54.08 Depth : 9.0 meters

Mar 18, 1982 18:00 GMT to May 11, 1982 18:00 GMT

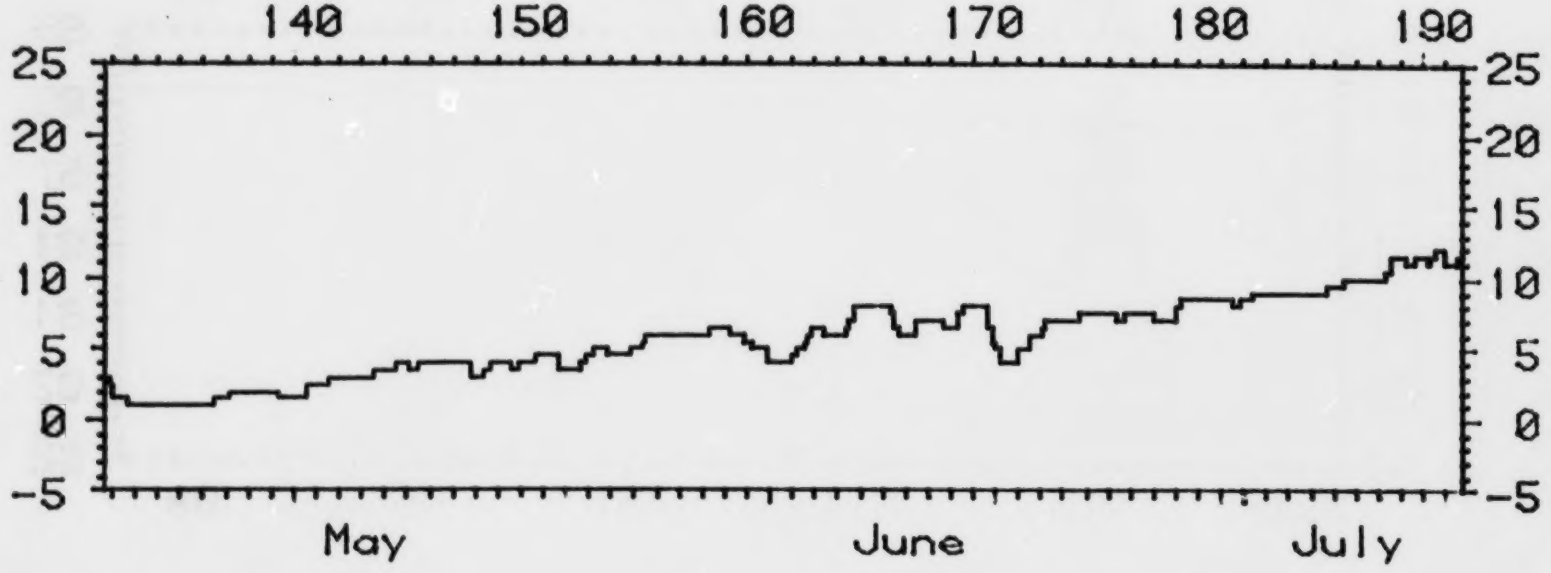


Instrument : 61682

SPENCERS COVE - PLACENTIA BAY NFLD (Page 1)

Pos. : 47.67, 54.08 Depth : 9.0 meters

May 11, 1982 16:35 GMT to July 10, 1982 16:35 GMT



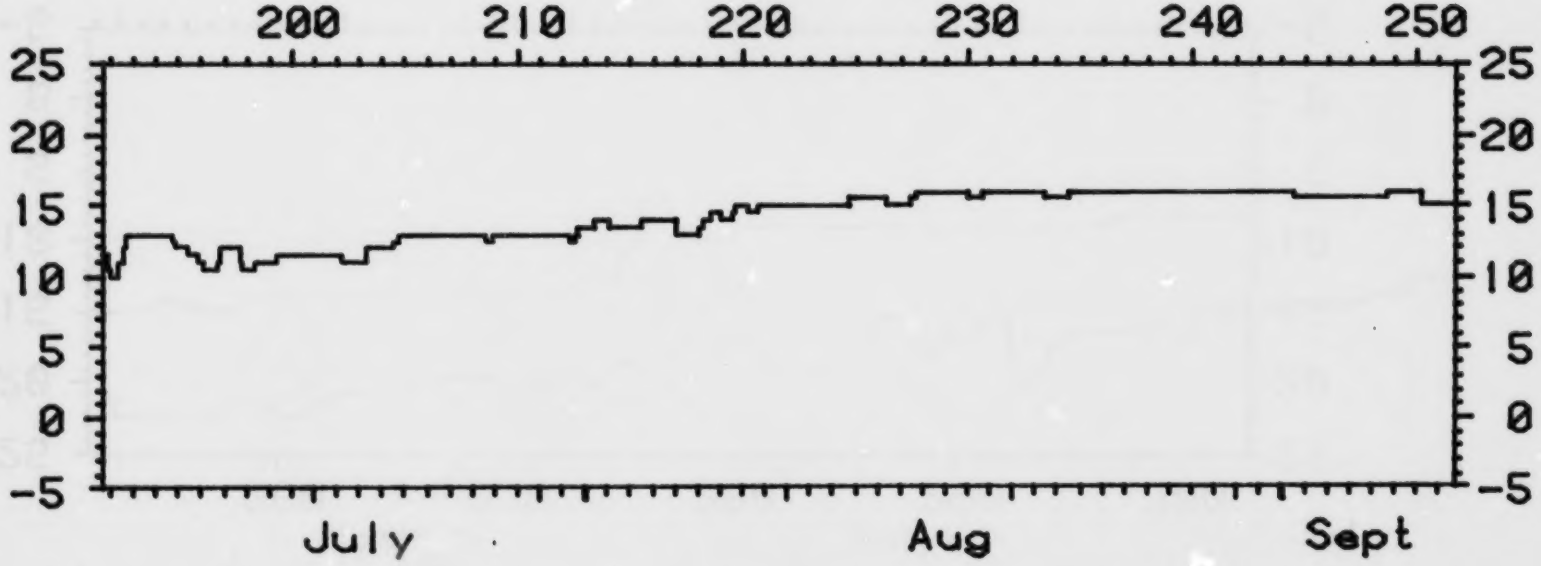
Station 83C 117

Instrument : 62499

SPENCERS COVE - PLACENTIA BAY NFLD (Page 2)

Pos. : 47.67, 54.08 Depth : 9.0 meters

July 10, 1982 16:35 GMT to Sept 8, 1982 16:35 GMT



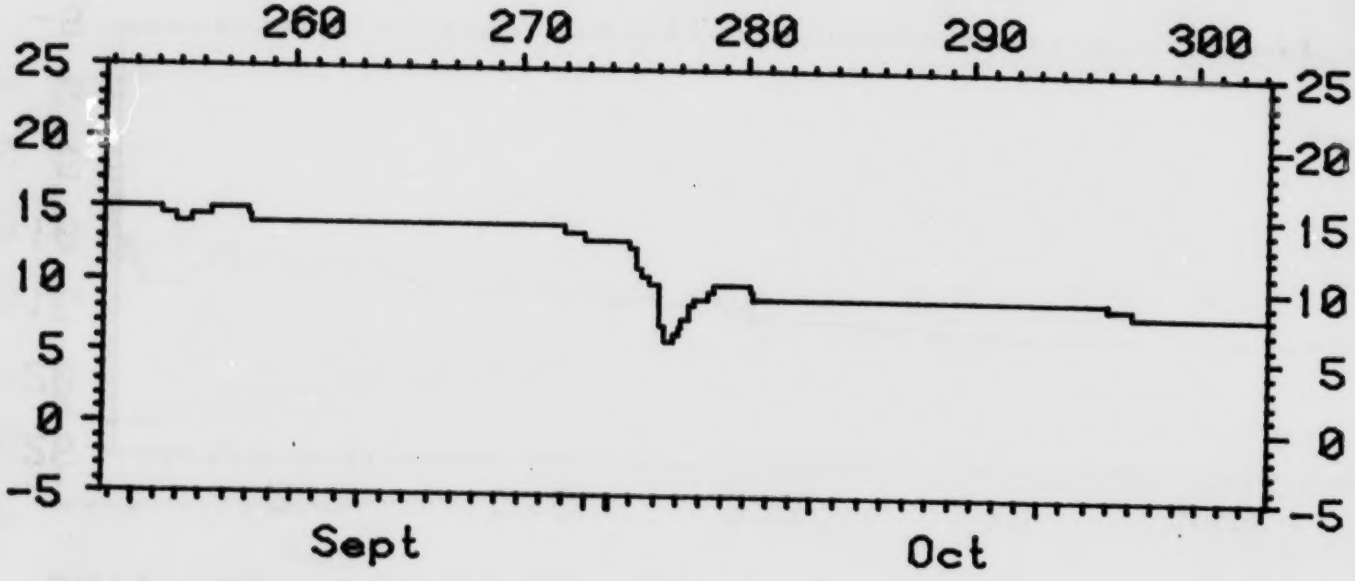
Instrument : 62499

Station 83C (continued)

SPENCERS COVE - PLACENTIA BAY NFLD (Page 3)

Pos. : 47.67, 54.08 Depth : 9.0 meters

Sept 8, 1982 16:35 GMT to Oct 30, 1982 04:35 GMT



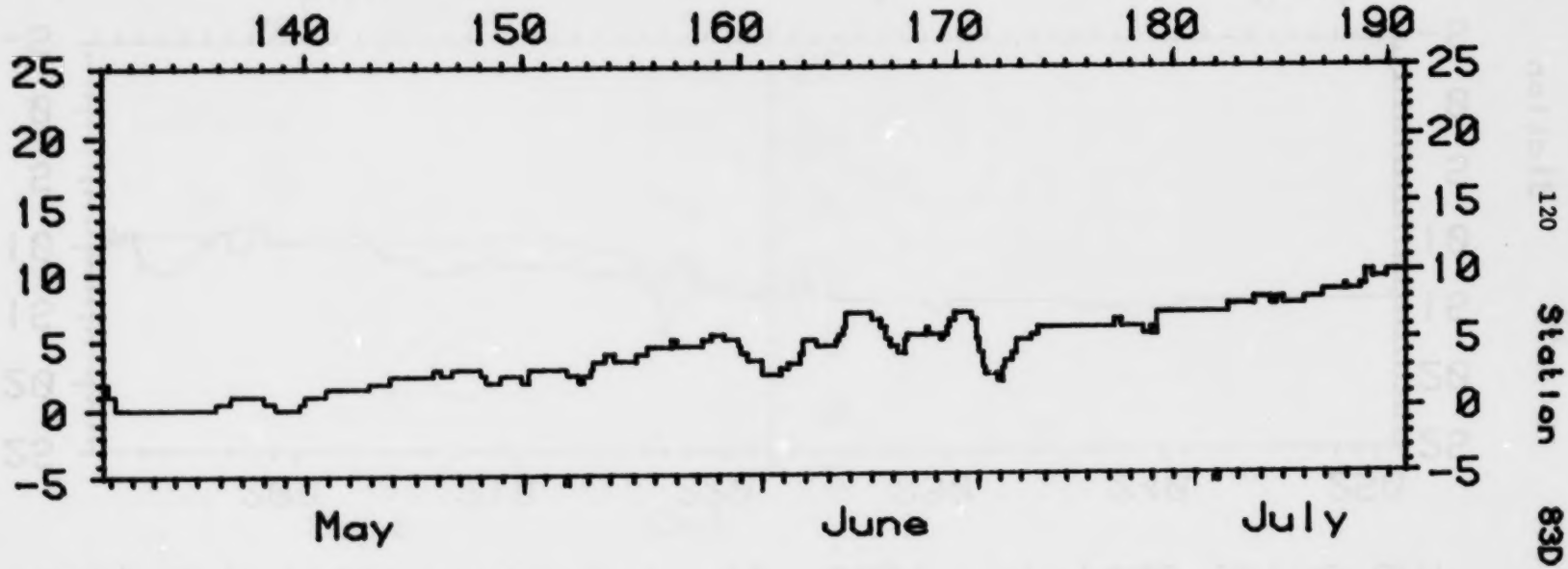
Instrument : 62499

Station 83C (continued)

SPENCERS COVE - PLACENTIA BAY NFLD (Page 1)

Pos. : 47.67, 54.08 Depth : 9.0 meters

May 10, 1982 16:35 GMT to July 9, 1982 16:35 GMT

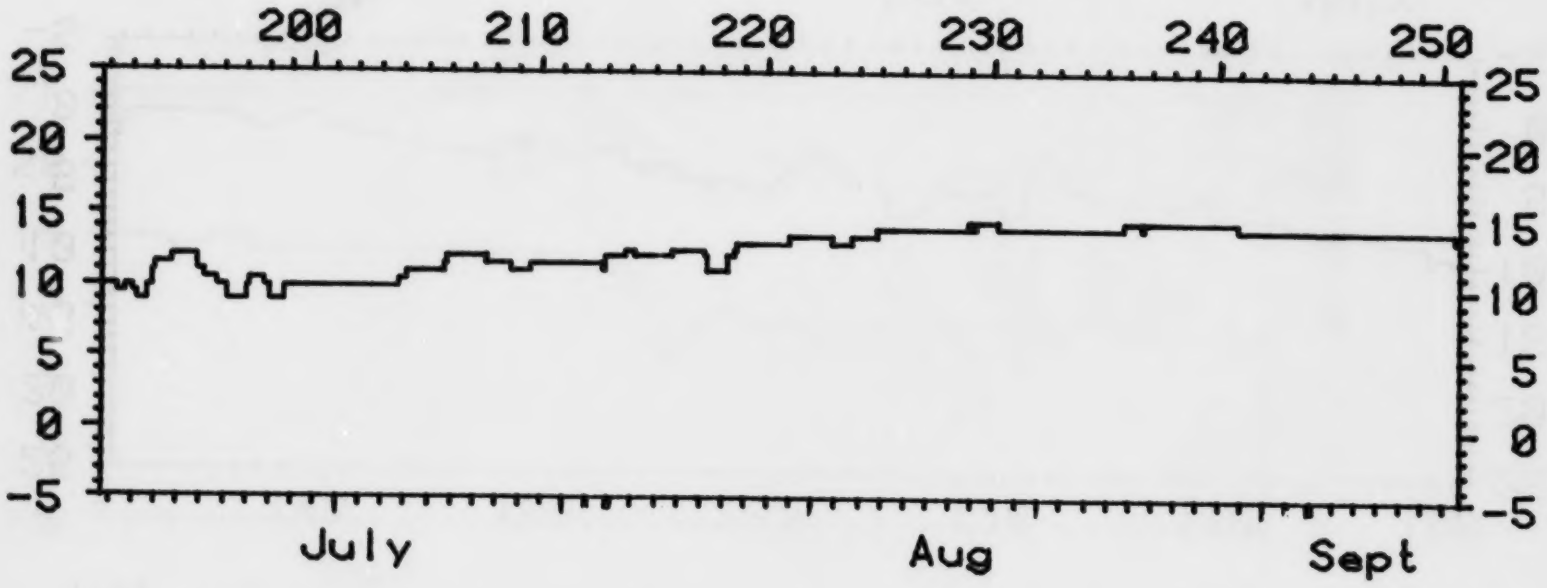


Instrument : 62452

SPENCERS COVE - PLACENTIA BAY NFLD (Page 2)

Pos. : 47.67, 54.08 Depth : 9.0 meters

July 9, 1982 16:35 GMT to Sept 7, 1982 16:35 GMT



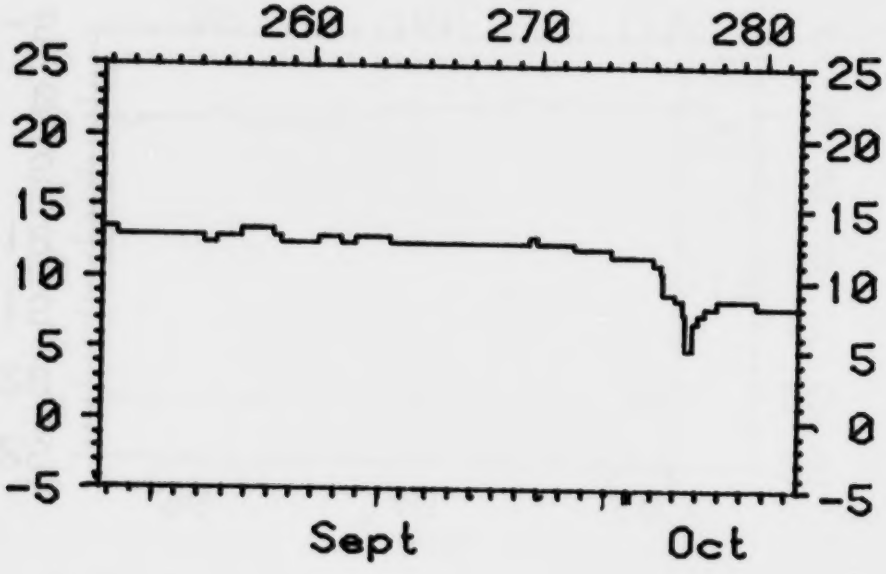
Instrument : 62452

Station 83D (continued)

SPENCERS COVE - PLACENTIA BAY NFLD (Page 3)

Pos. : 47.67, 54.08 Depth : 9.0 meters

Sept 7, 1982 16:35 GMT to Oct 8, 1982 12:35 GMT



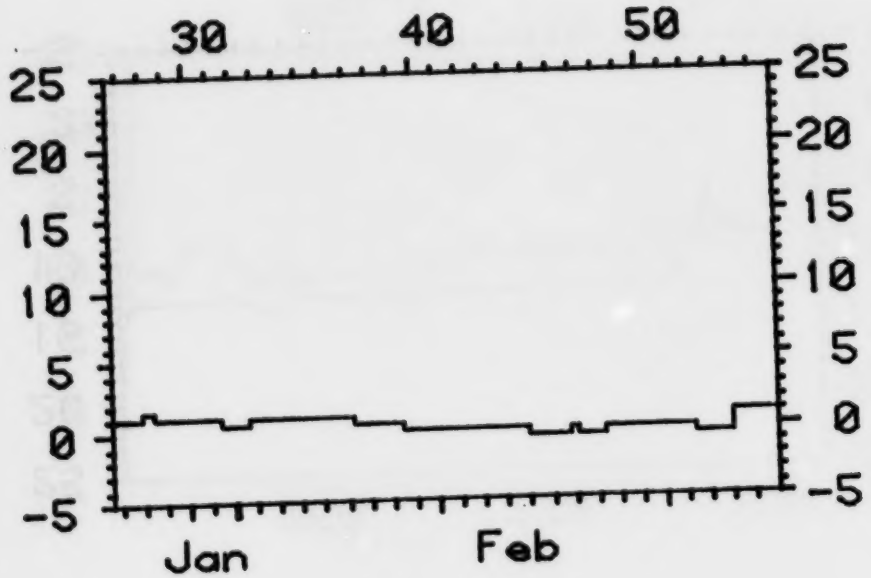
Instrument : 62452

Station 830 (Continued)

ARNOLDS COVE NFLD

Pos. : 47.75, 54.00 Depth : 9.0 meters

Jan 26, 1982 15:18 GMT to Feb 24, 1982 23:18 GMT



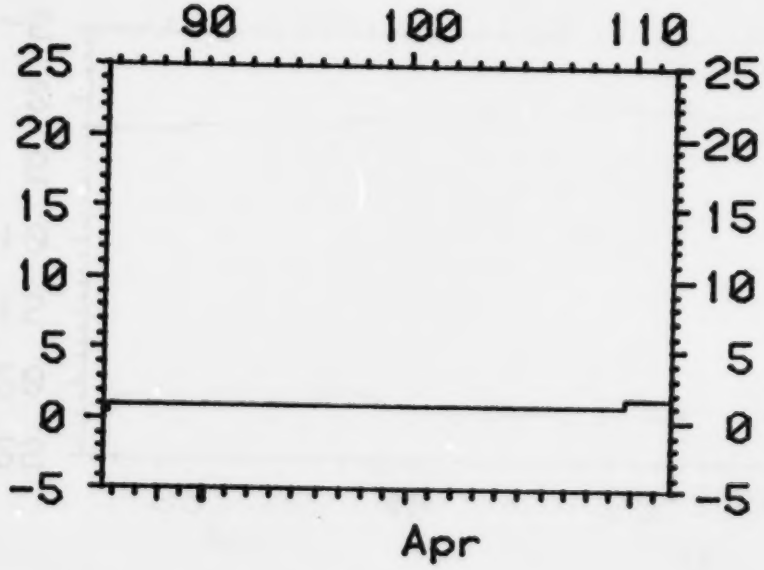
Instrument : 61688

123 Station 84A

ARNOLDS COVE NFLD

Pos. : 47.75, 54.00 Depth : 9.0 meters

Mar 27, 1982 15:15 GMT to Apr 21, 1982 19:15 GMT

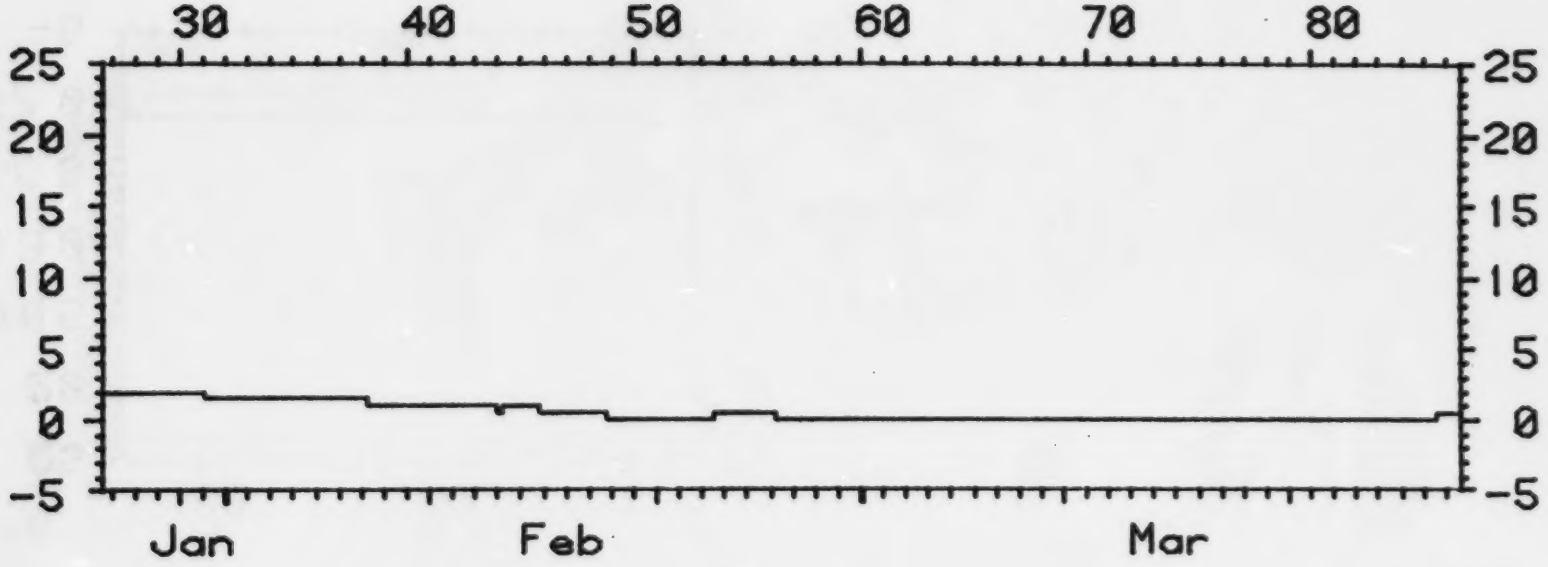


Instrument : 61638

ARNOLDS COVE NFLD (Page 1)

Pos. : 47.75, 54.00 Depth : 9.0 meters

Jan 26, 1982 15:15 GMT to Mar 27, 1982 15:15 GMT



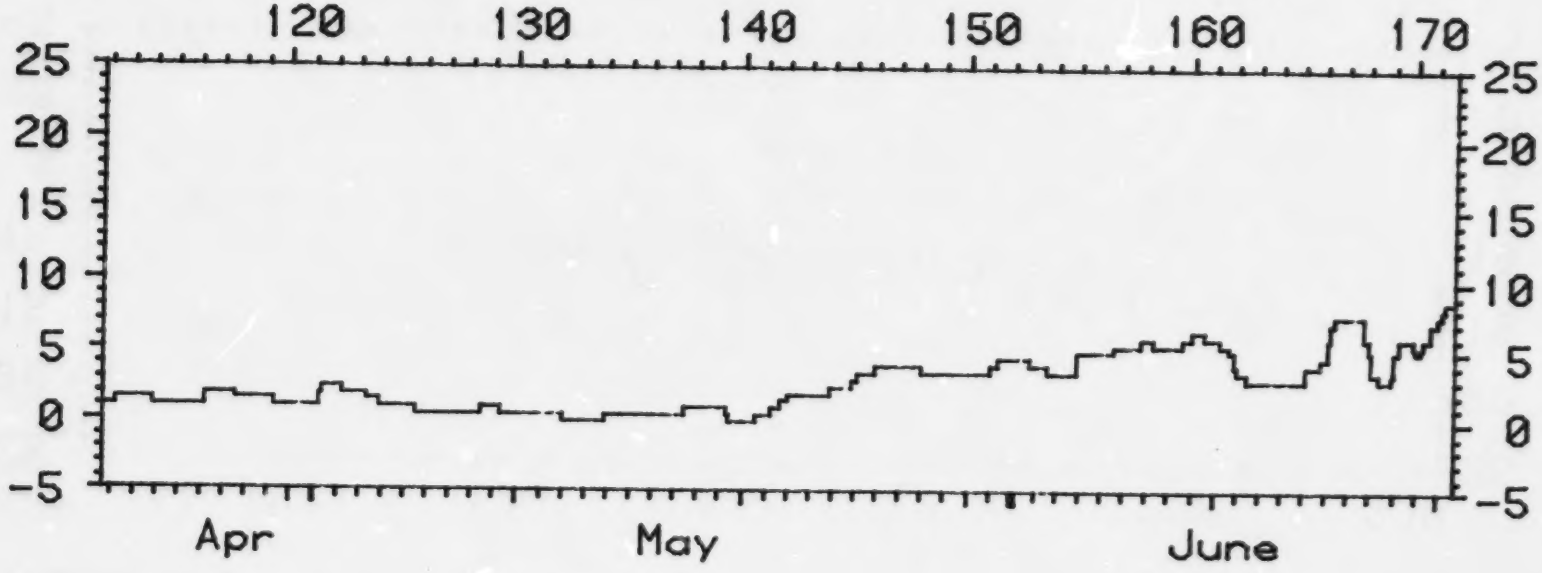
Instrument : 61638

125 Station 84B

ARNOLDS COVE NFLD (Page 1)

Pos. : 47.75, 54.00 Depth : 9.0 meters

Apr 21, 1982 17:50 GMT to June 20, 1982 17:50 GMT



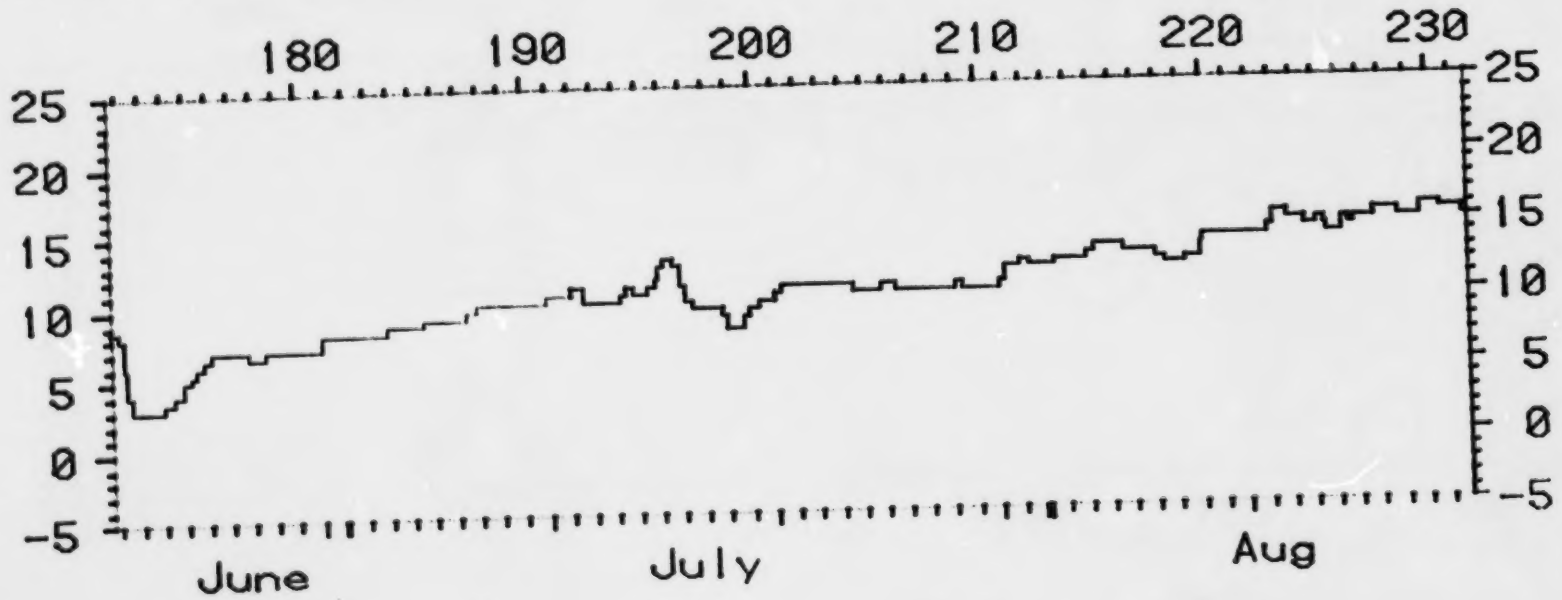
Instrument : 62542

Station 84C

ARNOLDS COVE NFLD

Pos. : 47.75, 54.00 Depth : 9.0 meters

June 20, 1982 17:50 GMT to Aug 19, 1982 17:50 GMT

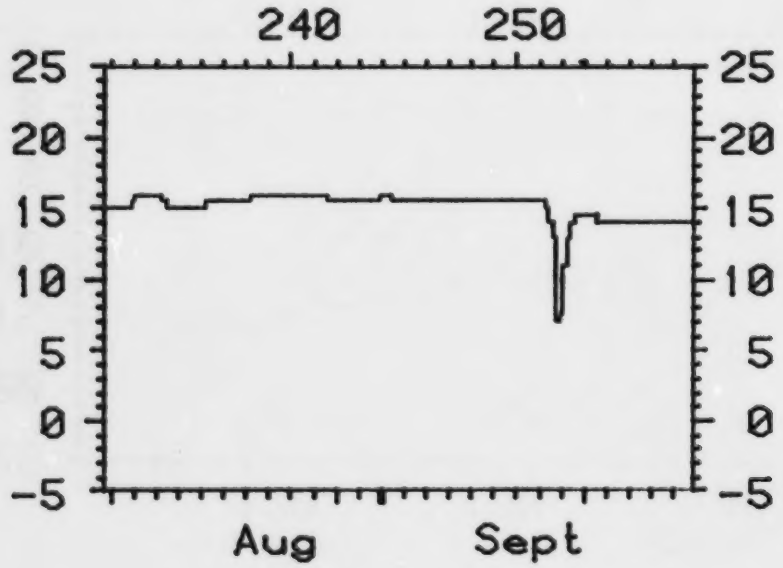


Instrument : 62542

ARNOLDS COVE NFLD (Page 3)

Pos. : 47.75, 54.00 Depth : 9.0 meters

Aug 19, 1982 17:50 GMT to Sept 14, 1982 21:50 GMT

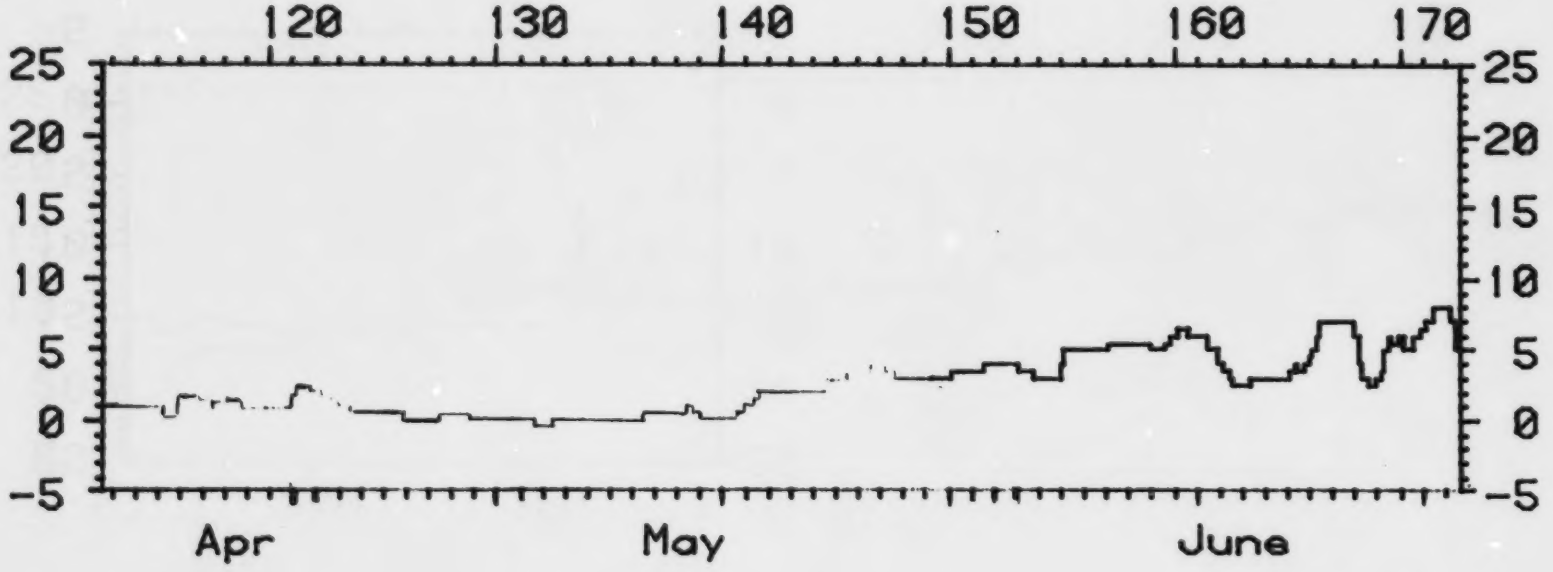


Instrument : 62542

ARNOLDS COVE NFLD (Page 1)

Pos. : 47.75, 54.00 Depth : 9.0 meters

Apr 22, 1982 15:00 GMT to June 21, 1982 15:00 GMT



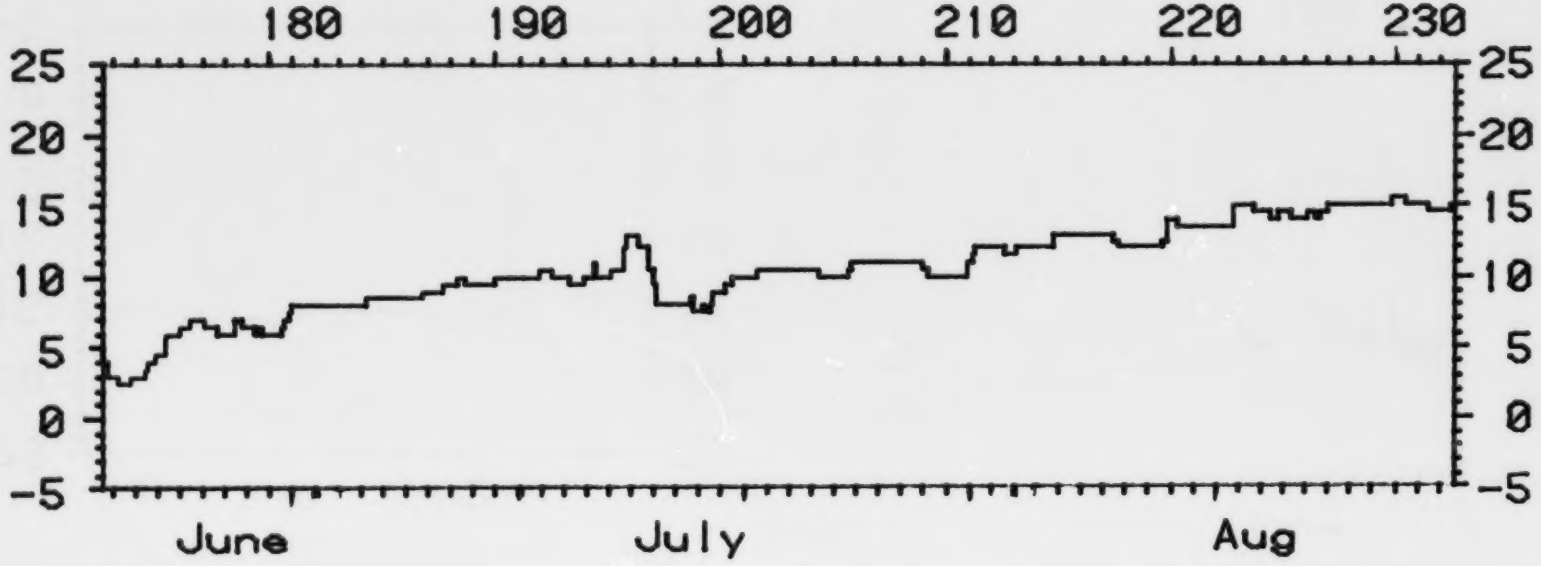
Instrument : 62544

129 Station 84D

ARNOLDS COVE NFLD (Page 2)

Pos. : 47.75, 54.00 Depth : 9.0 meters

June 21, 1982 15:00 GMT to Aug 20, 1982 15:00 GMT

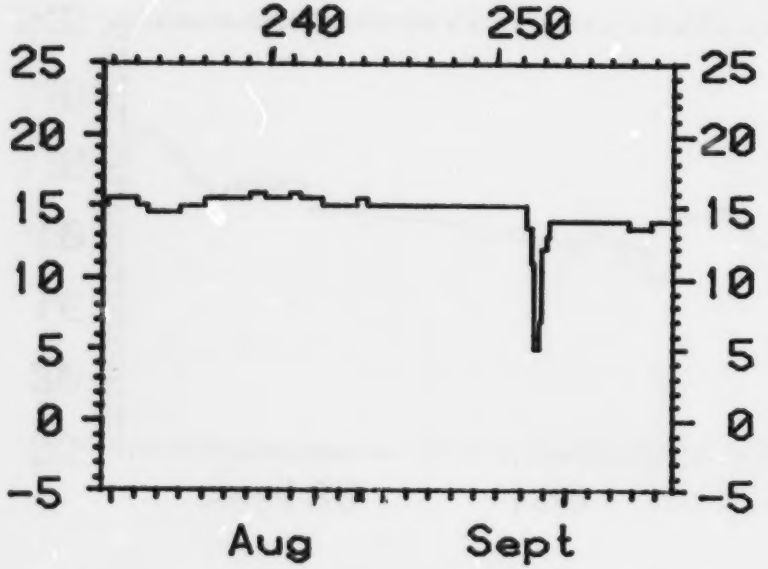


Instrument : 62544

ARNOLDS COVE NFLD (Page 3)

Pos. : 47.75, 54.00 Depth : 9.0 meters

Aug 20, 1982 15:00 GMT to Sept 14, 1982 19:00 GMT



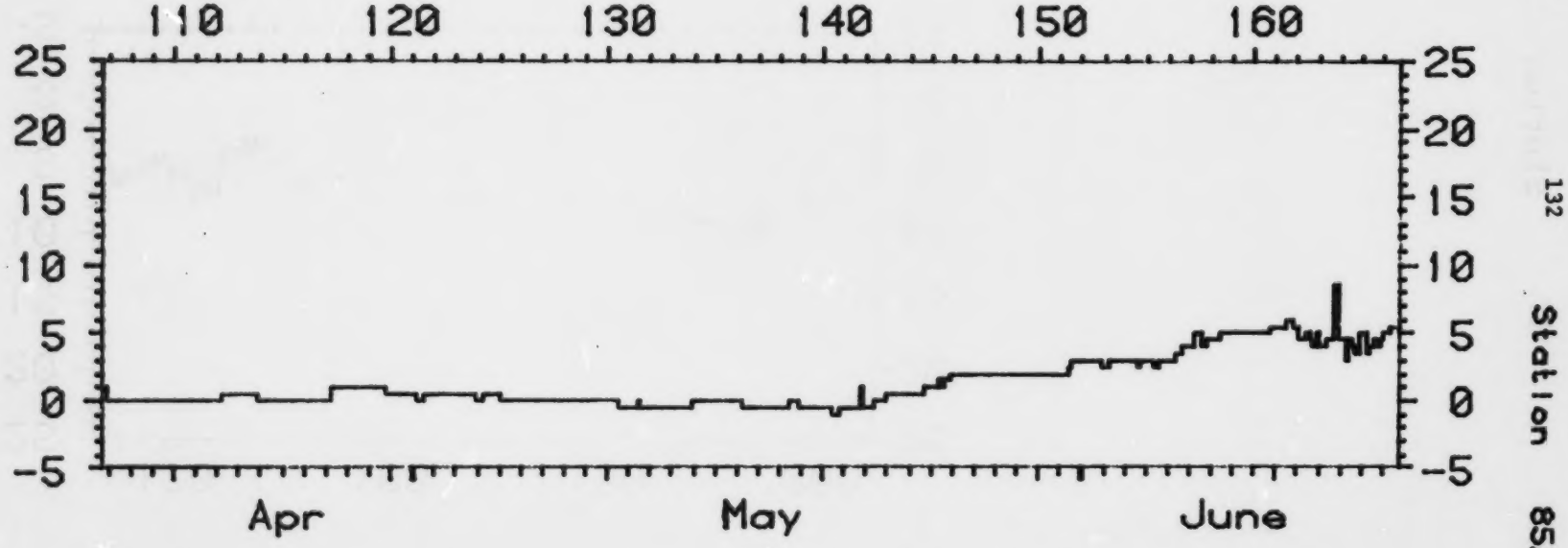
Instrument : 62544

Station 84D (continued)

GARDEN COVE NFLD (Page 1)

Pos. : 47.84, 54.16 Depth : 10.0 meters

Apr 16, 1982 17:24 GMT to June 15, 1982 17:24 GMT

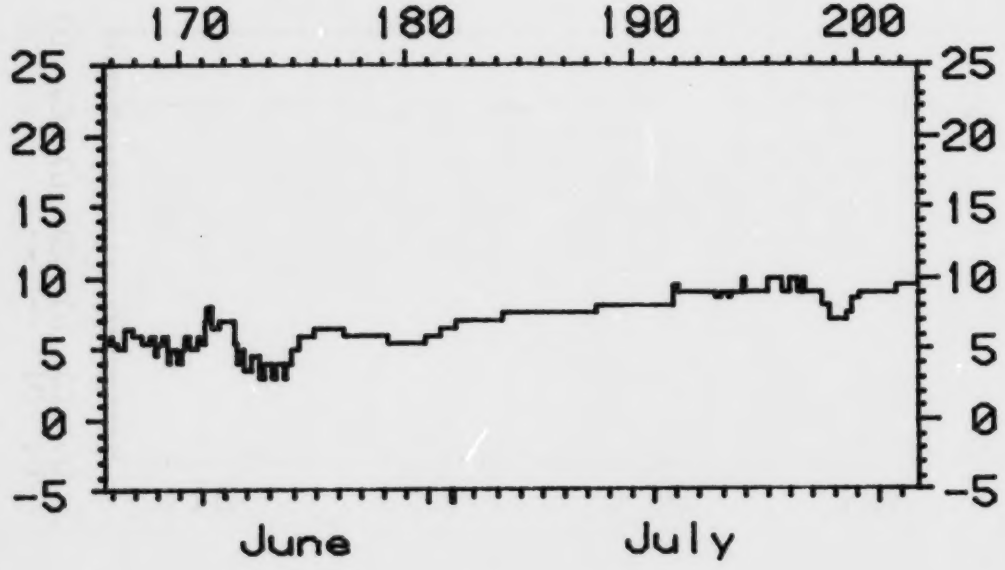


Instrument : 6167

GARDEN COVE NFLD (Page 2)

Pos. : 47.84, 54.16 Depth : 10.0 meters

June 15, 1982 17:24 GMT to July 21, 1982 17:24 GMT

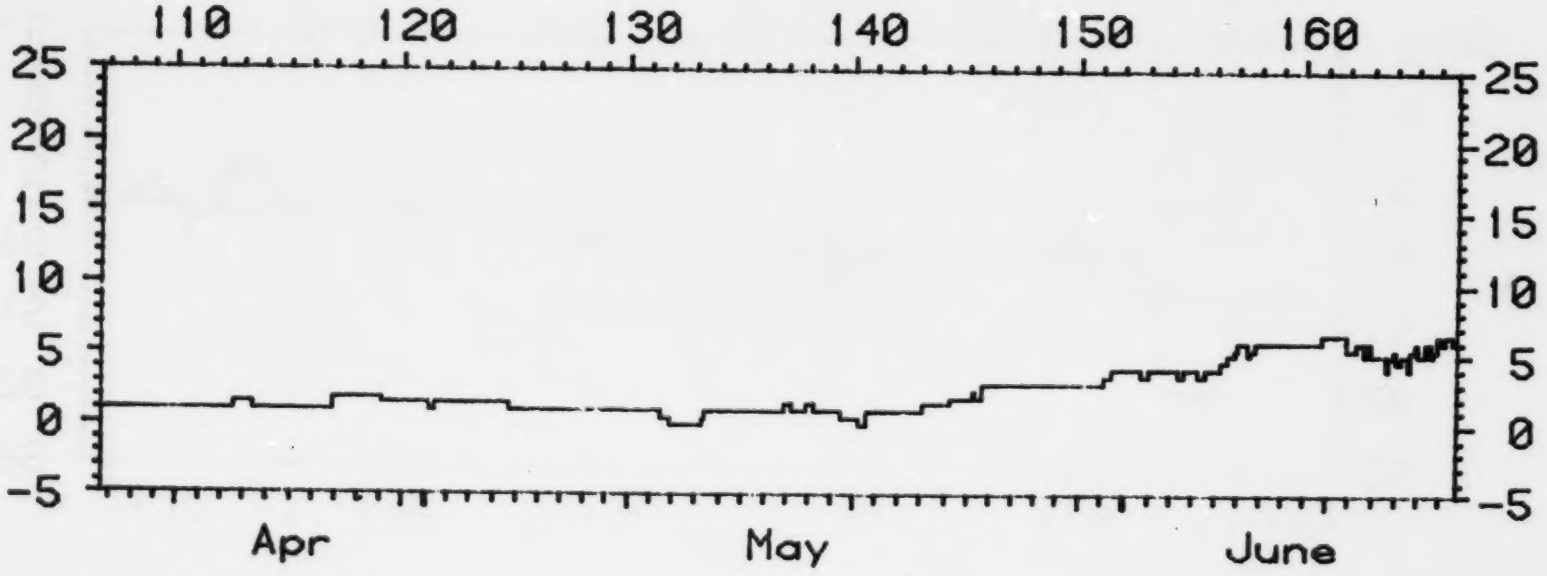


Instrument : 61671

GARDEN COVE NFLD (Page 1)

Pos. : 47.84, 54.16 Depth : 10.0 meters

Apr 16, 1982 17:24 GMT to June 15, 1982 17:24 GMT



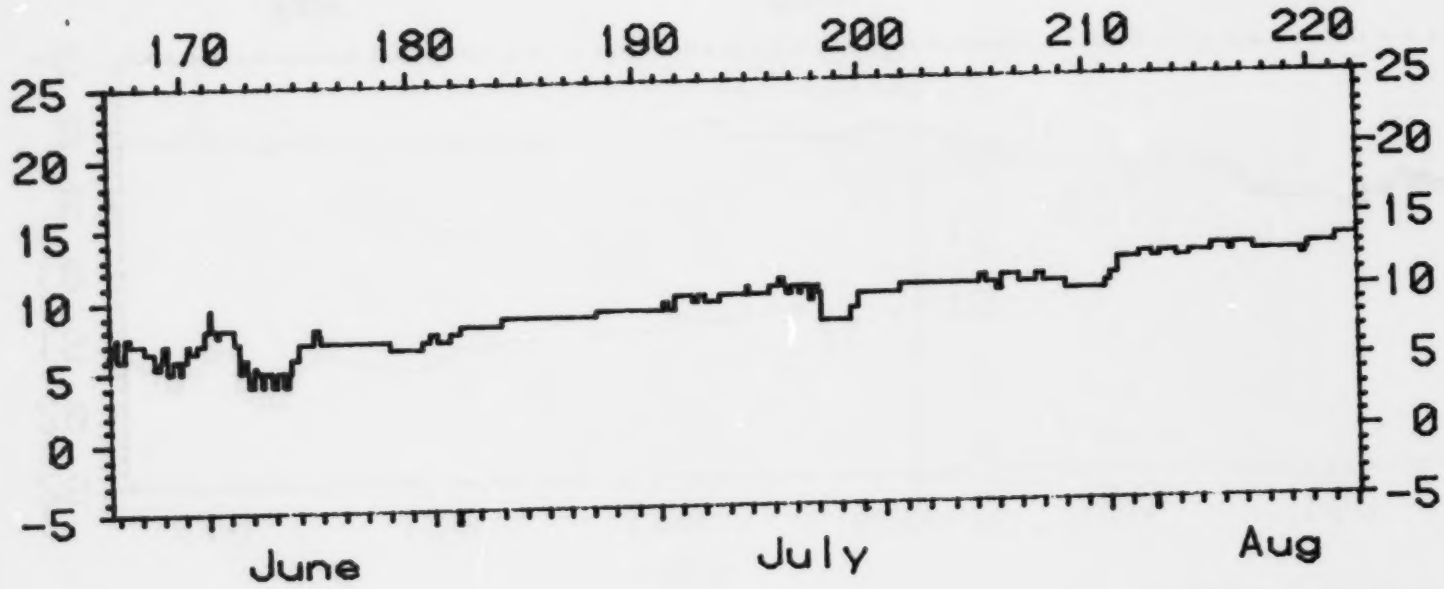
Instrument : 61468

Station 858

GARDEN COVE NFLD (Page 2)

Pos. : 47.84, 54.16 Depth : 10.0 meters

June 15, 1982 17:24 GMT to Aug 10, 1982 01:24 GMT

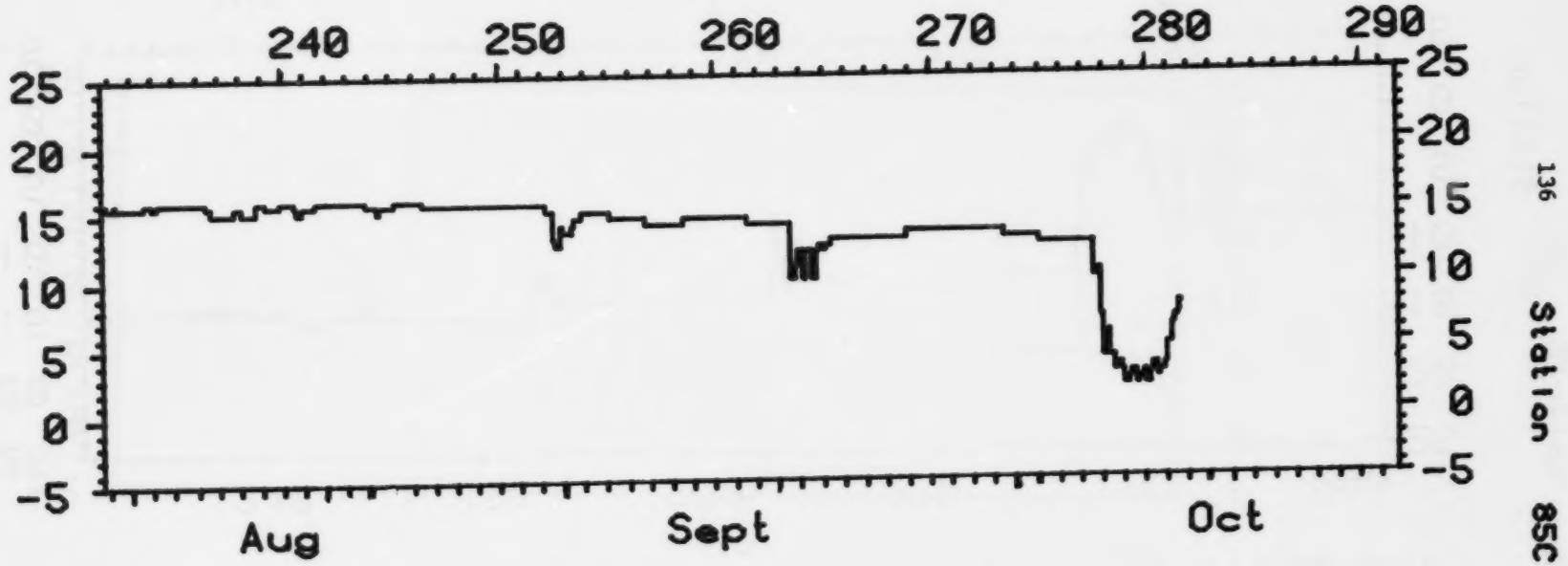


Instrument : 61468

GARDEN COVE NFLD (Page 1)

Pos. : 47.84, 54.16 Depth : 10.0 meters

Aug 19, 1982 16:30 GMT to Oct 8, 1982 10:00 GMT



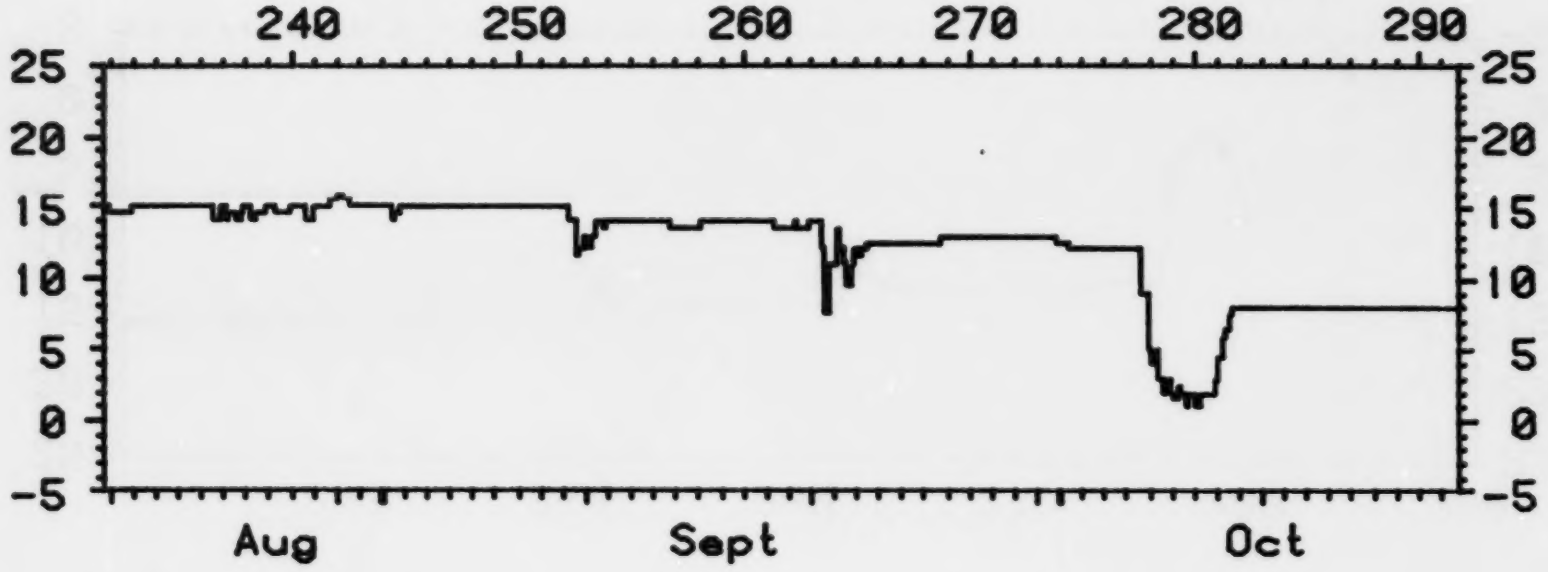
Instrument : 61468

Mechanical Failure
October 8, 1982

GARDEN COVE NFLD (Page 1)

Pos. : 47.84, 54.16 Depth : 10.0 meters

Aug 19, 1982 17:30 GMT to Oct 18, 1982 17:30 GMT



Station 85D

137

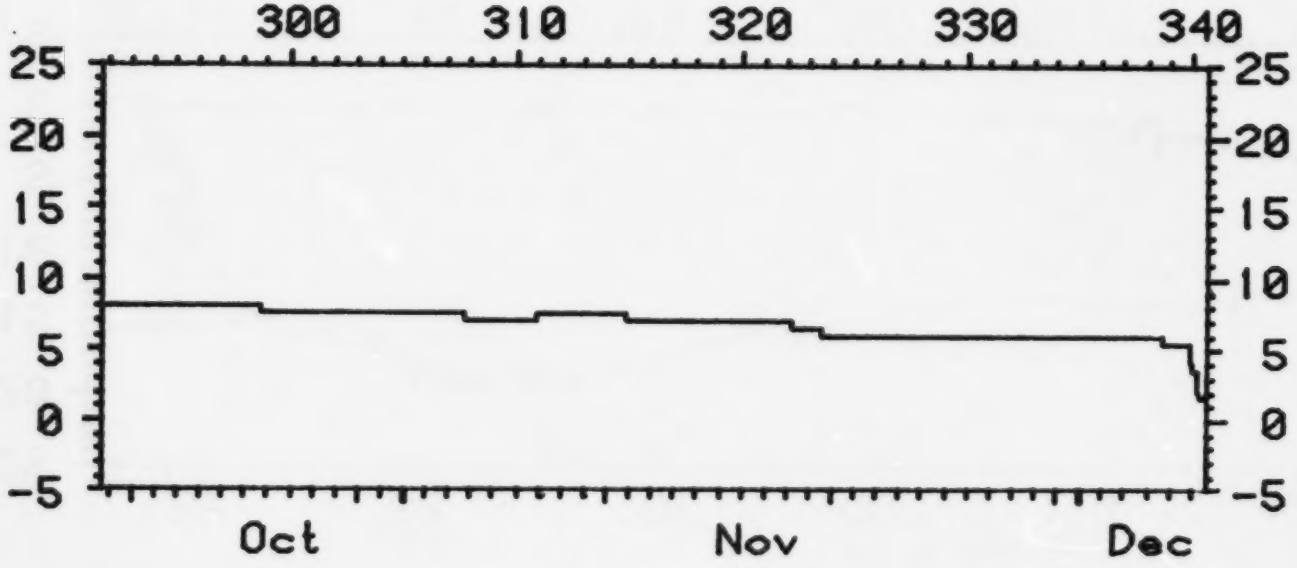
Instrument : 62489

TIMING 9 DAYS SLOW OVER THE 4 MONTH RECORD.

GARDEN COVE NFLD (Page 2)

Pos. : 47.84, 54.16 Depth : 10.0 meters

Oct 18, 1982 17:30 GMT to Dec 6, 1982 17:30 GMT



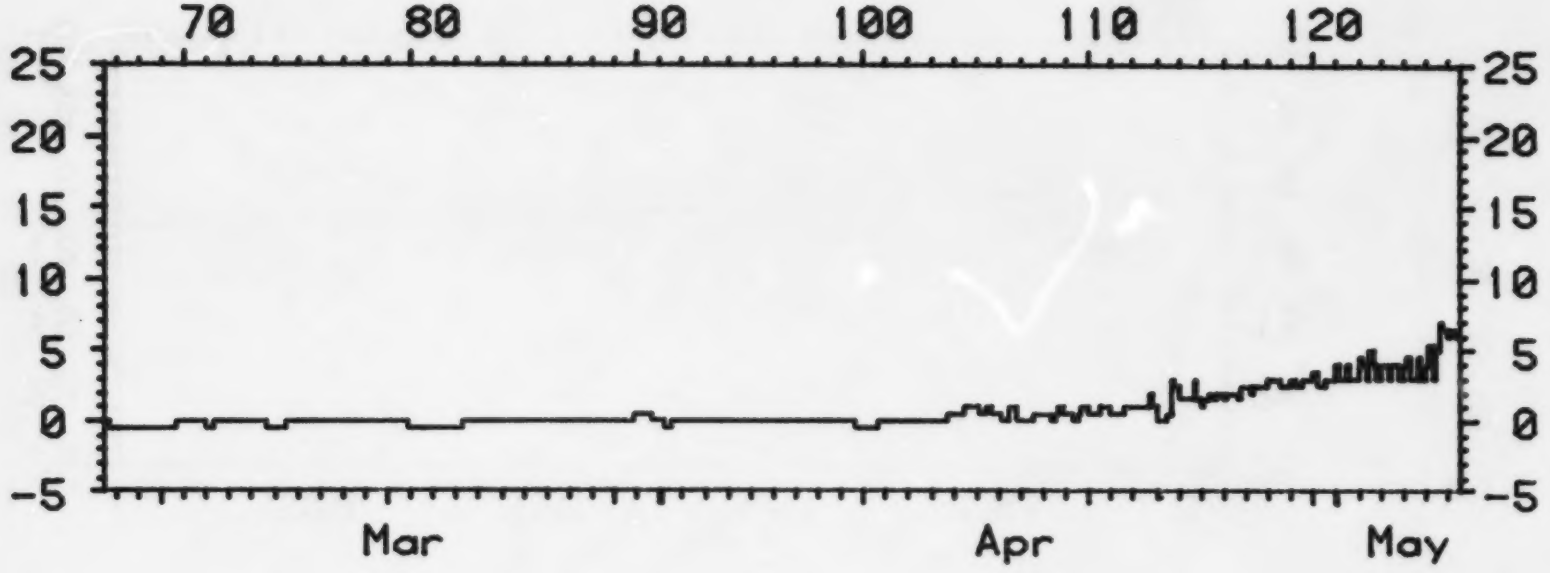
Instrument : 62489

TIMING 9 DAYS SLOW OVER THE 4 MONTH RECORD.

LITTLE BAY MORTIER NFLD (Page 1)

Pos. : 47:16, 55.11 Depth : 6.0 meters

Mar 7, 1982 12:00 GMT to May 6, 1982 12:00 GMT



Station 86A

139

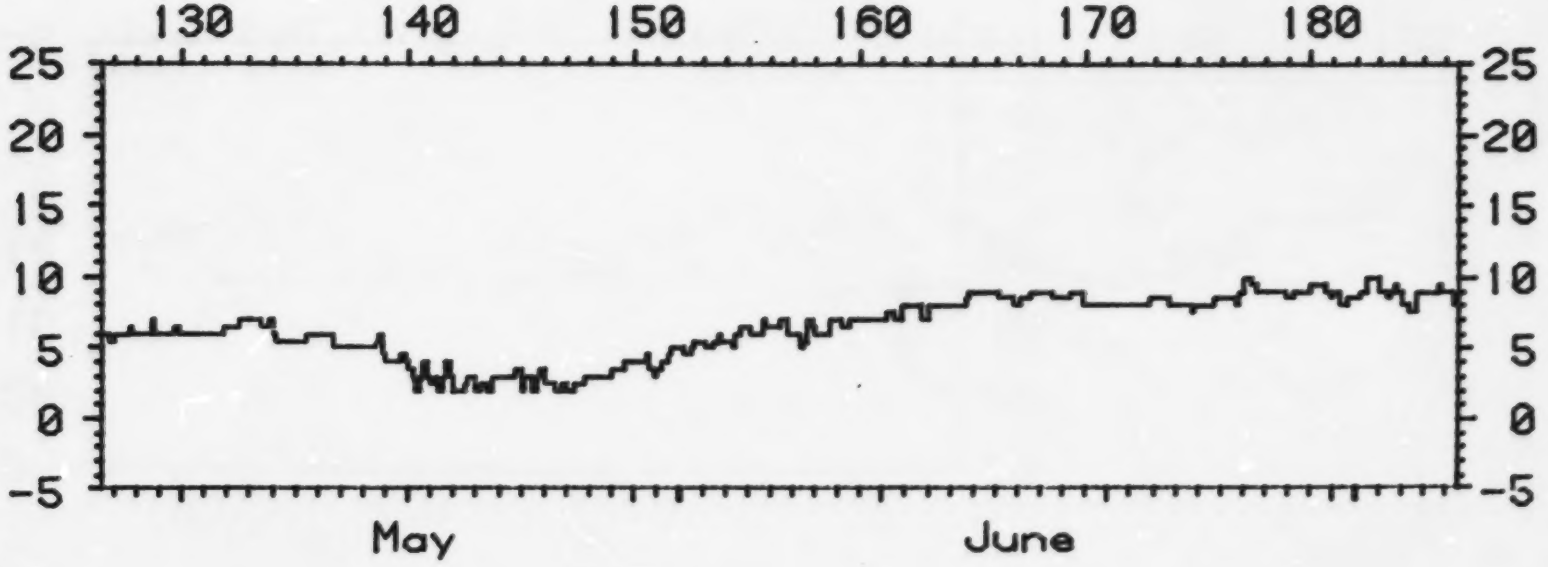
Instrument : 60989

START DATE MAY BE OFF 1-2 DAYS.

LITTLE BAY MORTIER NFLD (Page 2)

Pos. : 47.16, 55.11 Depth : 6.0 meters

May 6, 1982 12:00 GMT to July 5, 1982 12:00 GMT



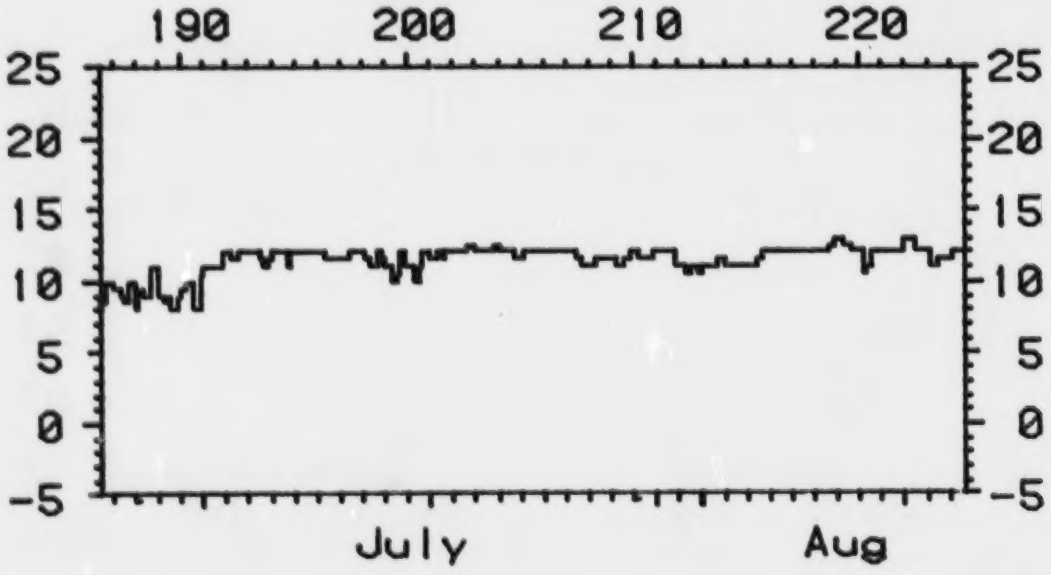
Instrument : 60989

START DATE MAY BE OFF 1-2 DAYS.

LITTLE BAY MORTIER NFLD (Page 3)

Pos. : 47.16, 55.11 Depth : 6.0 meters

July 5, 1982 12:00 GMT to Aug 12, 1982 16:00 GMT



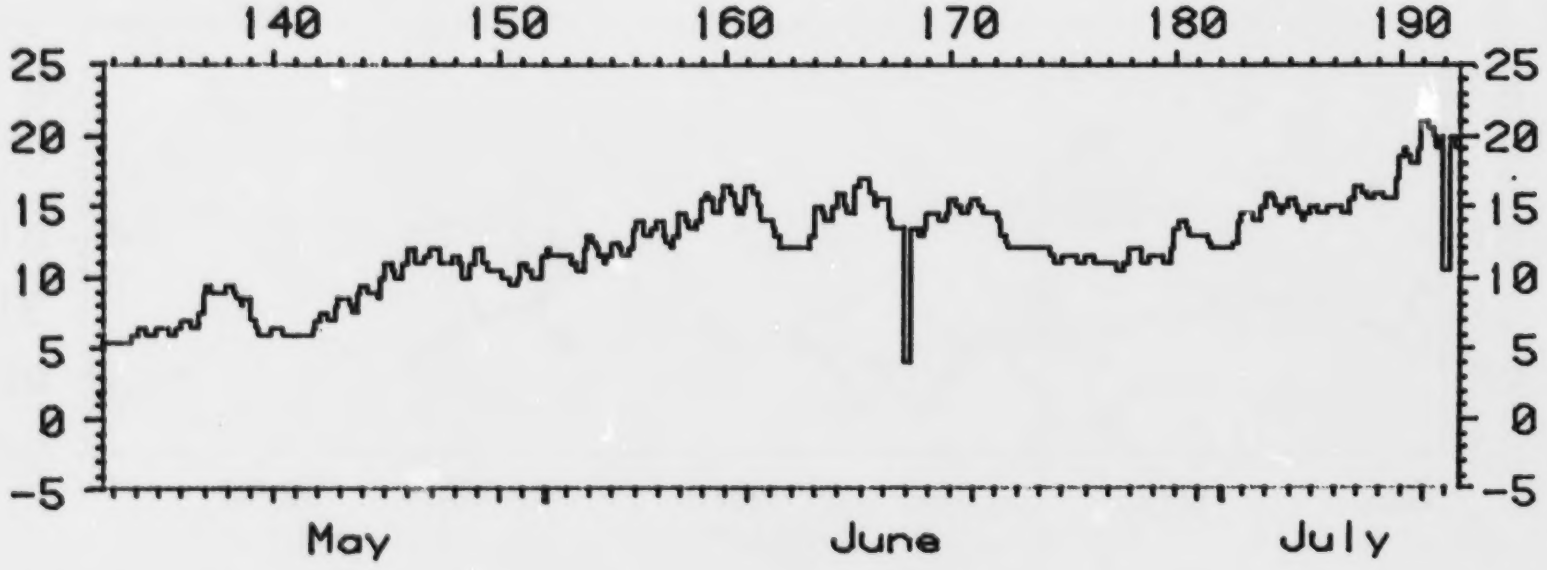
Instrument : 60989

START DATE MAY BE OFF 1-2 DAYS.

HEADWATER POND NFLD (Page 1)

Pos. : 48.28, 55.49 Depth : 2.0 meters

May 12, 1982 13:49 GMT to July 11, 1982 13:49 GMT



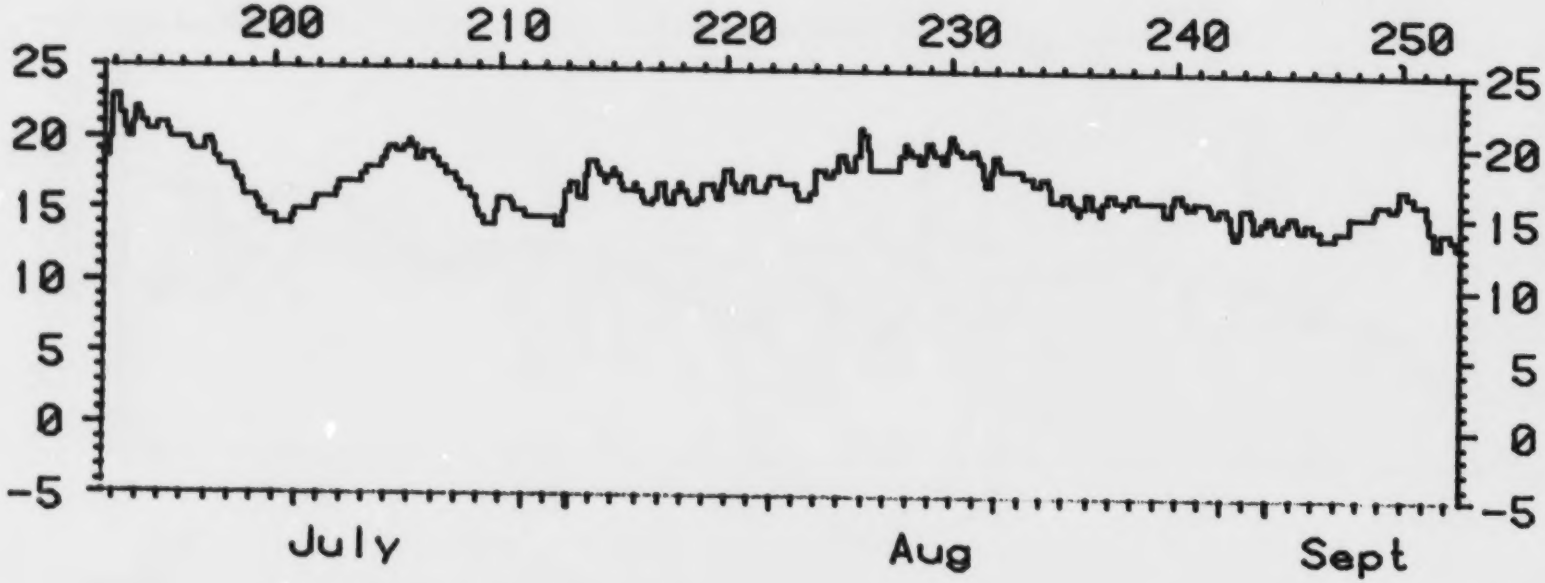
142 Station 87A

Instrument : 62448

HEADWATER POND NFLD (Page 2)

Pos. : 48.28, 55.49 Depth : 2.0 meters

July 11, 1982 13:49 GMT to Sept 9, 1982 13:49 GMT



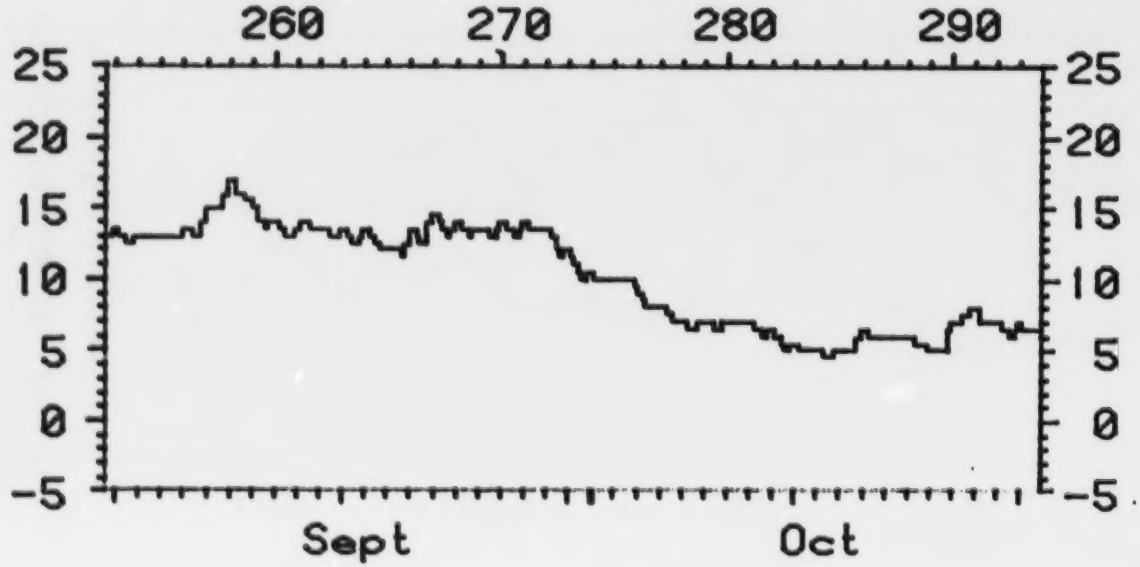
Instrument : 62448

Station 87A (continued)

HEADWATER POND NFLD (Page 3)

Pos. : 48.28, 55.49 Depth : 2.0 meters

Sept 9, 1982 13:49 GMT to Oct 20, 1982 21:49 GMT

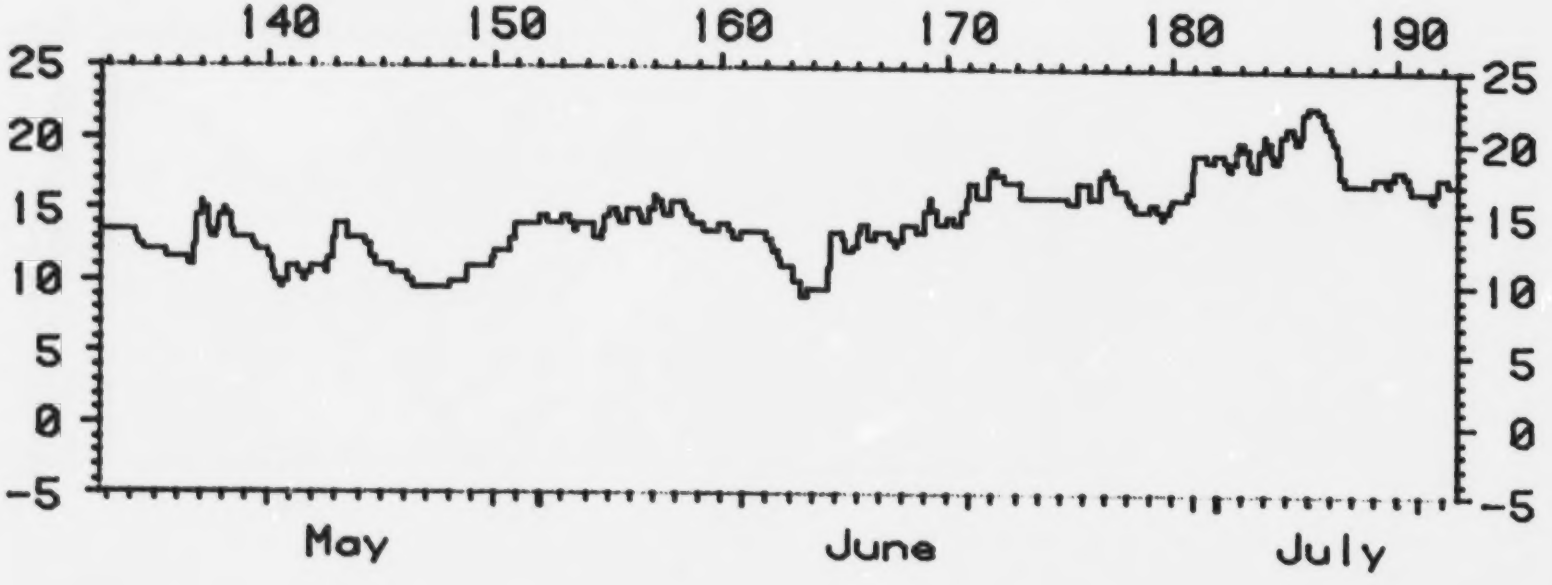


Instrument : 62448

HEADWATER POND NFLD (Page 1)

Pos. : 48.28, 55.49 Depth : 1.0 meters

May 12, 1981 15:45 GMT to July 11, 1981 15:45 GMT



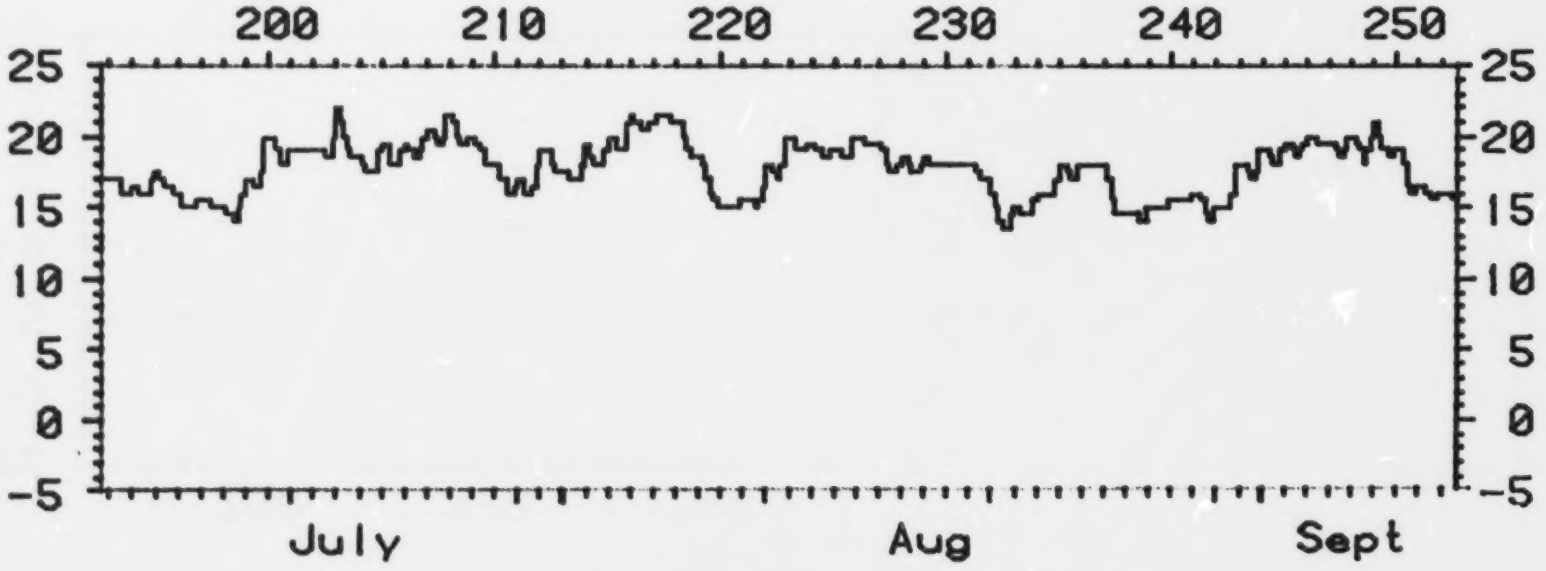
145 Station 878

NO SERIAL NUMBER RECORDED.

HEADWATER POND NFLD (Page 2)

Pos. : 48.28, 55.49 Depth : 1.0 meters

July 11, 1981 15:45 GMT to Sept 9, 1981 15:45 GMT

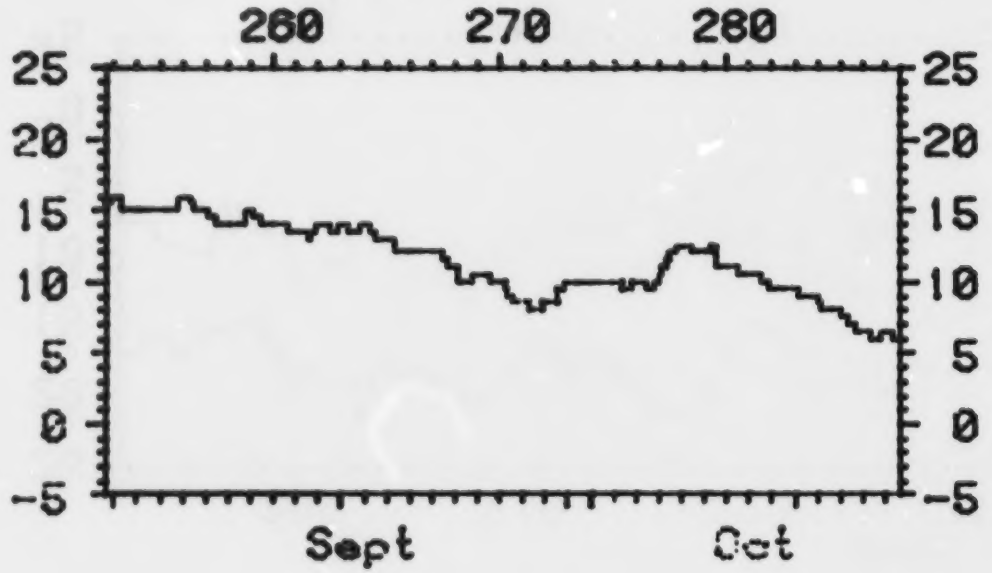


NO SERIAL NUMBER RECORDED.

HEADWATER POND NFLD (Page 3)

Pos. : 48.28, 55.49 Depth : 1.0 meters

Sept 9, 1981 15:45 GMT to Oct 14, 1981 15:45 GMT

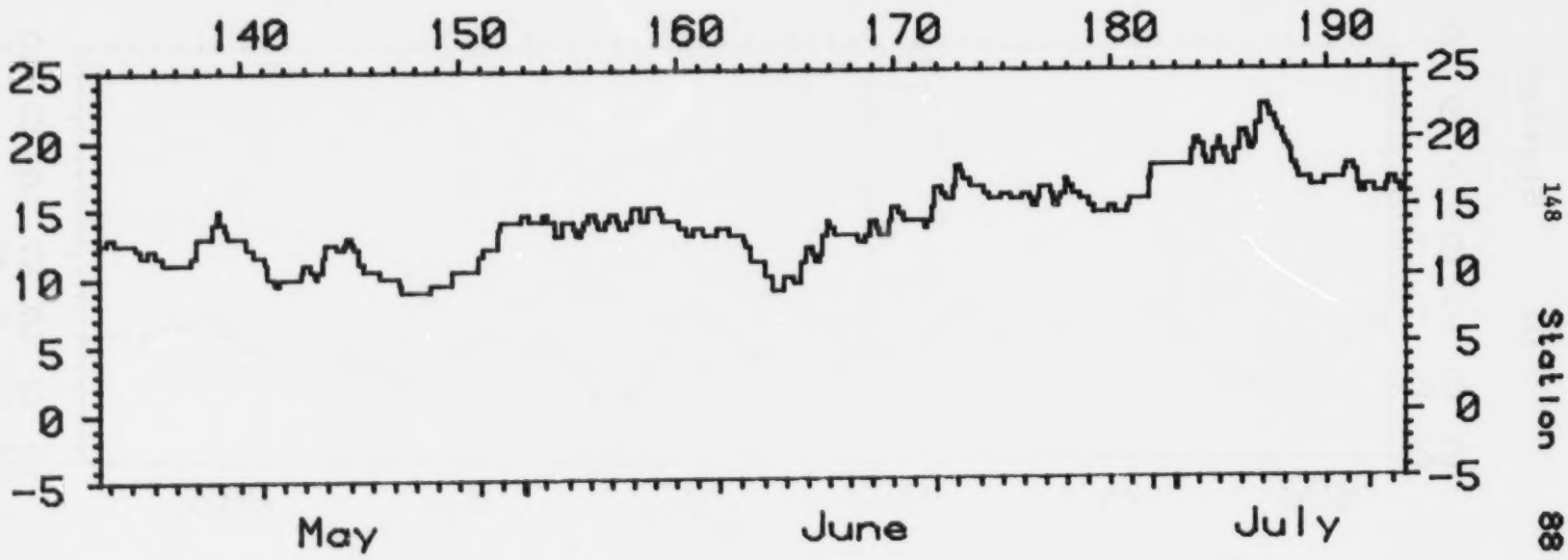


NO SERIAL NUMBER RECORDED.

SPRUCE POND NFLD (Page 1)

Pos. : 48.32, 55.47 Depth : 1.0 meters

May 12, 1988 13:04 GMT to July 11, 1988 13:04 GMT

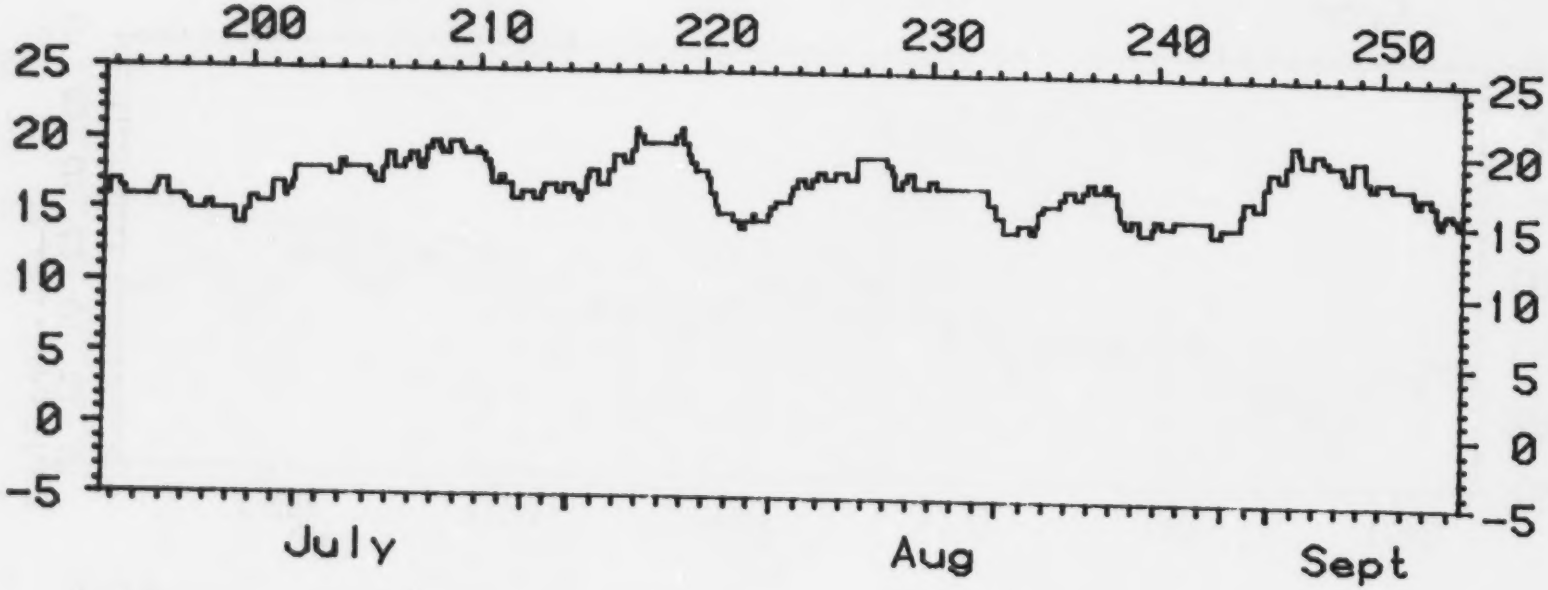


NO SERIAL NUMBER RECORDED.

SPRUCE POND NFLD (Page 2)

Pos. : 48.32, 55.47 Depth : 1.0 meters

July 11, 1988 13:04 GMT to Sept 9, 1988 13:04 GMT

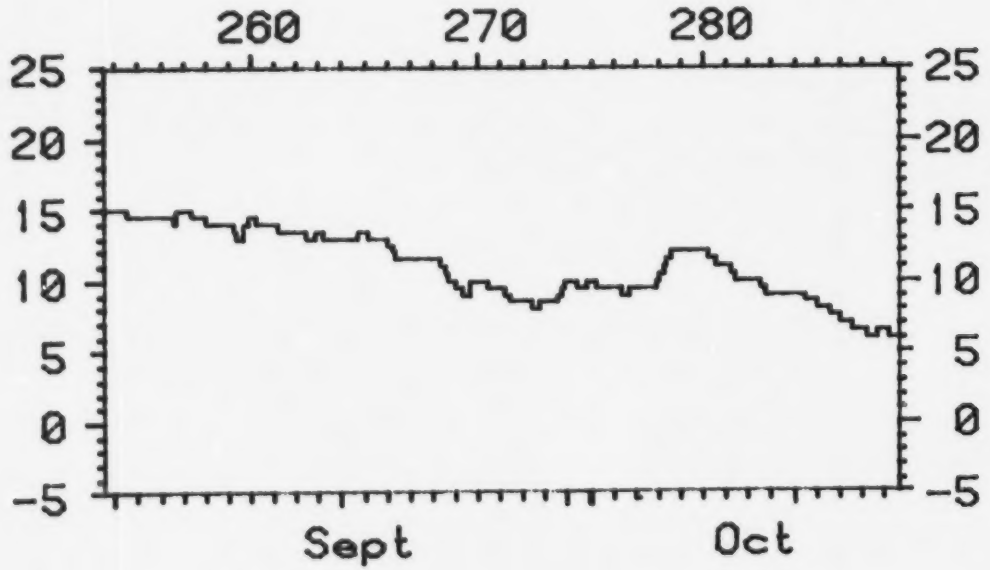


NO SERIAL NUMBER RECORDED.

SPRUCE POND NFLD (Page 3)

Pos. : 48.32, 55.47 Depth : 1.0 meters

Sept 9, 1988 13:04 GMT to Oct 14, 1988 17:04 GMT



NO SERIAL NUMBER RECORDED.

7. Newfoundland Area Mean Temperature/Degree Days

WESTPORT WHITE BAY NFLD

Station	Depth	Latitude	Longitude	Start
69A	4.0	50.12	56.60	June 21, 1982 13:00 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (4)
172	4.50	4.50	1.83
173	3.83	8.33	2.00
174	3.67	12.00	2.00
175	3.00	15.00	2.00
176	3.00	18.00	2.00
177	3.42	21.42	2.00
178	2.92	24.33	2.00
179	2.00	26.33	2.00
180	2.00	28.33	2.00
181	3.50	31.83	2.17
Estimated Deg. Days (C) for June/82 =		86.32	
182	4.92	36.75	3.08
183	3.17	39.92	3.25
184	1.17	41.08	3.25
185	1.08	42.17	3.25
186	.50	42.67	3.25
187	2.00	44.67	3.25
188	1.75	46.42	3.25
189	1.00	47.42	3.25
190	4.33	51.75	3.75
191	5.92	57.67	5.67
192	4.75	62.42	6.83
193	3.08	65.50	6.83
194	6.67	72.17	9.50
195	6.83	79.00	12.33
196	4.00	83.00	12.58
197	5.17	88.17	13.75
198	5.08	93.25	14.83
199	6.75	100.00	17.58
200	8.25	108.25	21.83
201	5.33	113.58	24.17
202	1.75	115.33	24.17
203	6.58	121.92	26.75
204	7.75	129.67	30.50
205	9.00	138.67	35.50
206	9.00	147.67	40.50
207	8.25	155.92	44.75
208	4.17	160.08	45.25
209	7.17	167.25	48.42
210	8.00	175.25	52.42
211	8.08	183.33	56.50
212	8.92	192.25	61.42
Total Deg. Days (C) for July/82 =		160.42	
213	9.83	202.08	66.75
214	10.08	211.67	72.83
215	9.33	221.00	78.17

WESTPORT WHITE BAY NFLD ... continued

Station	Deptn	Latitude	Longitude	Start
69A	4.0	50.12	56.00	June 21, 1982 13:00 GMT

Day Number	Mean Temp.	Deg. Day (D)	Deg. Day (4)
216	7.83	228.83	82.00
217	4.92	233.75	83.58
218	3.25	237.00	85.75
219	6.83	243.83	86.58
220	7.33	251.17	89.92
221	8.33	259.50	94.25
222	9.42	268.92	99.67
223	9.00	277.92	104.67
224	7.83	285.75	108.50
225	6.92	292.67	111.42
226	3.33	296.00	111.58
227	7.00	303.00	114.58
228	9.17	312.17	119.75
229	10.00	322.17	125.75
230	10.00	332.17	131.75
231	10.00	342.17	137.75
232	9.67	351.83	143.42
233	10.00	361.83	149.42
234	9.67	371.50	155.08
235	8.58	380.08	159.67
236	8.50	388.58	164.17
237	8.67	397.25	168.83
238	8.50	405.75	173.33
239	8.25	414.00	177.58
240	9.50	423.50	183.08
241	9.50	433.00	188.58
242	9.50	442.50	194.08
243	9.50	452.00	199.58
Total Deg. Days (D) for Aug/82 =		259.75	
244	9.00	461.00	204.58

WESTPORT WHITE BAY NFLD

Station	Deptn	Latitude	Longitude	Start
698	35.0	49.75	56.63	Sept 2, 1982 19:00 GMT

Day Number	Mean Temp.	Deg. Day (D)	Deg. Day (4)
245	12.00	12.00	8.00
246	11.00	23.00	15.00
247	10.75	33.75	21.75
248	11.33	45.08	29.08
249	11.50	56.58	36.58
250	10.58	67.17	43.17
251	10.25	77.42	49.42
252	11.00	88.42	56.42
253	11.00	99.42	63.42
254	10.83	110.25	70.25
255	10.58	120.83	76.83
256	11.00	131.83	83.83
257	11.08	142.92	90.92
258	10.00	152.92	96.92
259	9.92	162.83	102.83
260	10.25	173.08	109.08
261	10.50	183.58	115.58
262	10.50	194.08	122.08
263	10.58	204.67	128.67
264	10.75	215.42	135.42
265	10.50	225.92	141.92
266	10.08	236.00	148.00
267	10.00	246.00	154.00
268	10.17	256.17	160.17
269	10.50	266.67	166.67
270	10.58	277.25	173.25
271	10.83	288.08	180.08
272	9.33	297.42	185.42
273	10.00	307.42	191.42

Total Deg. Days (D) for Sept/82 = 307.42

274	10.00	317.42	197.42
275	9.75	327.17	203.17
276	9.00	336.17	208.17
277	9.00	345.17	213.17
278	9.00	354.17	218.17
279	9.00	363.17	223.17
280	9.00	372.17	228.17
281	8.83	381.00	233.00
282	8.50	389.50	237.50
283	8.50	398.00	242.00
284	8.50	406.50	246.50
285	8.50	415.00	251.00
286	8.50	423.50	255.50
287	8.33	431.83	259.83
288	8.50	440.33	264.33
289	8.33	448.67	268.67
290	8.00	456.67	272.67
291	8.00	464.67	276.67

WESTPORT WHITE BAY NFLD ... continued

Station	Depth	Latitude	Longitude		Start
698	35.0	49.75	56.03	Sept 29 1982	19:00 GMT

Day Number	Mean Temp.	Deg. Day (D)	Deg. Day (4)
292	8.00	472.67	280.67
293	8.00	480.67	284.67
294	8.00	488.67	288.67
295	7.75	496.42	292.42
296	6.42	502.83	294.83
297	7.00	509.83	297.83
298	6.67	516.50	300.50
299	5.33	521.83	301.83
300	5.08	526.92	302.92
301	5.42	532.33	304.33
302	4.50	536.83	304.83
303	4.58	541.42	305.42
304	5.00	546.42	306.42
Total Deg. Days (D) for Oct/82 = 239.00			
305	5.00	551.42	307.42
306	5.00	556.42	308.42
307	5.00	561.42	309.42
308	5.00	566.42	310.42
309	4.33	570.75	310.92
310	3.83	574.58	311.00
311	4.50	579.08	311.50
312	4.50	583.58	312.00
313	4.50	588.08	312.50
314	4.08	592.17	312.58
315	4.00	596.17	312.58
316	4.00	600.17	312.58
317	4.00	604.17	312.58
318	3.50	607.67	312.58
319	3.25	610.92	313.33
Estimated Deg. Days (D) for Nov/82 = 129.00			

HARRYS HARBOUR GREEN BAY NFLD

Station	Deptn	Latitude	Longitude	Start
7CA	0.0	49.72	-55.80	May 25, 1984 02:00 GMT

Day Number	Mean Temp.	Degs. Day (D)	Degs. Day (4)
145	.50	.50	.00
146	.50	1.00	.00
147	.42	1.42	.00
148	.50	1.92	.00
149	1.00	2.92	.00
150	.67	3.58	.00
151	1.00	4.58	.00
152	1.42	6.00	.00
153	1.50	7.50	.00
154	1.58	9.08	.00
155	1.33	10.42	.00
156	1.42	11.83	.00
157	1.42	13.25	.00
158	2.00	15.25	.00
159	2.00	17.25	.00
160	2.75	20.00	.00
161	2.33	22.33	.00
162	4.00	26.33	.00
163	4.00	30.33	.00
164	3.92	34.25	.00
165	4.67	38.92	.62
166	5.17	44.08	2.70
167	6.00	50.08	3.70
168	6.92	57.00	5.20
169	5.00	61.50	7.20
170	5.67	65.17	7.20
171	5.33	70.50	5.62
172	7.00	77.50	11.62
173	7.00	84.50	14.62
174	6.25	90.75	16.37
175	6.58	97.33	19.45
176	7.00	104.33	22.45
177	6.83	111.17	25.20
178	6.00	117.17	27.20
179	6.67	123.83	29.45

HARRYS HARBOR GREEN BAY NFLD ... continued

Station	Depth	Latitude	Longitude	Start
70A	5.0	49.72	58.08	May 25, 1982 02:00 GMT

Day Number	Mean Temp.	Degs. Day (C)	Degs. Day (F)
150	0.75	138.38	32.70
151	5.07	135.25	34.37
Total Degs. Days (C) for June/82 =		281.07	
152	2.00	141.25	35.37
153	3.33	144.58	35.53
154	2.58	147.17	35.53
155	2.58	149.75	35.53
156	2.17	151.92	35.53
157	3.00	154.92	35.53
158	3.00	157.92	35.53
159	3.08	161.00	35.53
160	3.83	164.83	35.02
161	4.92	169.75	35.53
162	5.50	175.25	36.03
163	6.17	181.42	36.20
164	5.50	186.92	41.70
165	4.08	191.00	42.20
166	7.00	198.00	45.20
167	9.42	207.42	50.02
168	9.75	217.17	50.37
169	9.83	227.00	52.20
170	6.58	233.58	54.78
171	8.50	242.08	59.28
172	9.50	251.58	74.78
173	8.92	260.50	79.78
174	8.42	268.92	82.12
175	5.17	274.08	83.28
176	9.17	283.25	88.45
177	9.00	292.25	93.45
178	9.17	299.42	98.62
179	9.75	309.17	104.37
180	8.50	317.67	108.07
181	8.00	325.67	112.07

HARRYS HARBOR GREEN BAY NFLD ... continued

Station	Depth	Latitude	Longitude	Start
70A	5.0	49.72	55.88	May 25, 1982 02:00 GMT

Day Number	Mean Temp.	Deg. Day (0)	Deg. Day (4)
212	8.17	333.83	117.03

Total Deg. Days (0) for July/82 = 197.58

213	8.92	342.75	121.95
214	7.83	350.58	125.78
215	4.83	355.42	126.62
216	5.75	361.17	128.37
217	6.08	367.25	130.45
218	7.00	374.25	133.45
219	6.50	380.75	135.95
220	6.50	387.25	138.45
221	6.25	393.50	140.70
222	6.67	400.17	143.37
223	6.08	406.25	145.45
224	5.58	411.83	147.03
225	6.17	418.00	149.20
226	7.50	425.50	152.70
227	8.00	433.50	156.70
228	7.92	441.42	160.62
229	7.67	449.08	164.28
230	8.67	457.75	168.95
231	9.33	467.08	174.28
232	9.17	476.25	179.45
233	9.42	485.67	184.87
234	7.67	493.33	188.53
235	8.33	501.67	192.87
236	9.33	511.00	198.20
237	10.33	521.33	204.53
238	10.67	532.00	211.20
239	11.00	543.00	218.20
240	11.00	554.00	225.20
241	11.00	565.00	232.20
242	11.00	576.00	239.20
243	11.00	587.00	246.20

Total Deg. Days (0) for Aug/82 = 253.17

244	10.67	597.67	252.87
245	9.08	606.75	257.95
246	10.00	616.75	263.95
247	10.00	626.75	269.95
248	10.00	636.75	275.95
249	10.00	646.75	281.95
250	10.08	656.83	288.03
251	10.50	667.33	295.53

COMFORT COVE NFLD

Station	Depth	Latitude	Longitude	Start
71A	9.0	49.41	54.83	Nov 17, 1981 13:50 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
321	4.00	4.00	0.00
322	4.00	8.00	0.00
323	3.33	11.33	0.00
324	3.00	14.33	0.00
325	3.00	17.33	0.00
326	3.00	20.33	0.00
327	3.42	23.75	0.00
328	3.50	27.25	0.00
329	3.33	30.58	0.00
330	3.00	33.58	0.00
331	2.75	36.33	0.00
332	2.50	38.83	0.00
333	2.50	41.33	0.00
334	2.50	43.83	0.00

Estimated Deg. Days (C) for Nov/81 = 87.67

335	2.00	45.83	0.00
336	2.00	47.83	0.00
337	2.00	49.83	0.00
338	2.00	51.83	0.00
339	2.00	53.83	0.00
340	2.00	55.83	0.00
341	2.00	57.83	0.00
342	2.00	59.83	0.00
343	2.00	61.83	0.00
344	2.08	63.92	0.00
345	2.00	65.92	0.00
346	2.17	68.08	0.00
347	2.00	70.08	0.00
348	2.00	72.08	0.00
349	2.00	74.08	0.00
350	2.00	76.08	0.00
351	2.00	78.08	0.00
352	1.58	79.67	0.00
353	1.50	81.17	0.00
354	1.50	82.67	0.00
355	1.25	83.92	0.00
356	1.00	84.92	0.00
357	1.00	85.92	0.00
358	1.00	86.92	0.00
359	.58	87.50	0.00
360	-.07	87.50	0.00
361	-.16	87.50	0.00
362	-.82	87.50	0.00
363	-.99	87.50	0.00
364	-.66	87.50	0.00
365	.17	87.75	0.00

Total Deg. Days (C) for Dec/81 = 43.92

COMFORT COVE NFLD ... continued

Station	Depth	Latitude	Longitude	Start
71A	9.0	49.41	54.83	Nov 17, 1981 13:30 GMT

Day Number	Mean Temp.	Deg. Day (3)	Deg. Day (4)
1	.42	88.17	0.00
2	0.00	88.17	0.00
3	0.00	88.17	0.00
4	0.00	88.17	0.00
5	0.00	88.17	0.00
6	0.00	88.17	0.00
7	0.00	88.17	0.00
8	.08	88.25	0.00
9	.17	88.42	0.00
10	0.00	88.42	0.00
11	0.00	88.42	0.00
12	-.49	88.42	0.00
13	-.66	88.42	0.00
14	-.99	88.42	0.00
15	-.41	88.42	0.00
16	-.24	88.42	0.00
17	-.49	88.42	0.00
18	-.57	88.42	0.00
19	-.99	88.42	0.00
20	-1.16	88.42	0.00
21	-1.49	88.42	0.00
22	-1.49	88.42	0.00
23	-1.49	88.42	0.00
24	-1.49	88.42	0.00
25	-1.32	88.42	0.00
26	-1.49	88.42	0.00
27	-1.49	88.42	0.00
28	-1.99	88.42	0.00
29	-1.99	88.42	0.00
30	-1.99	88.42	0.00
31	-1.99	88.42	0.00

Total Deg. Days (3) for Jan/82 = .57

32	-1.99	88.42	0.00
33	-1.99	88.42	0.00
34	-1.99	88.42	0.00
35	-1.99	88.42	0.00
36	-1.99	88.42	0.00
37	-1.99	88.42	0.00
38	-1.99	88.42	0.00
39	-1.99	88.42	0.00
40	-1.99	88.42	0.00
41	-1.99	88.42	0.00
42	-1.99	88.42	0.00
43	-1.99	88.42	0.00
44	-1.99	88.42	0.00
45	-1.99	88.42	0.00
46	-1.99	88.42	0.00
47	-1.99	88.42	0.00

COMFORT COVE NFLD ... continued

Station	Depth	Latitude	Longitude	Start
71A	9.0	49.41	54.03	Nov 17, 1981 13:50 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
48	-1.99	88.42	0.00
49	-1.99	88.42	0.00
50	-1.99	88.42	0.00
51	-1.99	88.42	0.00
52	-1.99	88.42	0.00
53	-1.99	88.42	0.00
54	-1.99	88.42	0.00
55	-1.99	88.42	0.00
56	-1.99	88.42	0.00
57	-1.99	88.42	0.00
58	-1.99	88.42	0.00
59	-1.99	88.42	0.00
Total Deg. Days (C) for Feb/82 =		0.00	
60	-1.99	88.42	0.00
61	-1.99	88.42	0.00
62	-1.99	88.42	0.00
63	-1.99	88.42	0.00
64	-1.99	88.42	0.00
65	-1.99	88.42	0.00
66	-1.99	88.42	0.00
67	-1.99	88.42	0.00
68	-1.99	88.42	0.00
69	-1.74	88.42	0.00
70	-1.49	88.42	0.00
71	-1.49	88.42	0.00
72	-1.49	88.42	0.00
73	-1.49	88.42	0.00
74	-1.49	88.42	0.00
75	-1.49	88.42	0.00
76	-1.49	88.42	0.00
77	-1.49	88.42	0.00
78	-1.49	88.42	0.00
79	-1.49	88.42	0.00
80	-1.49	88.42	0.00
81	-1.49	88.42	0.00
82	-1.49	88.42	0.00
83	-1.49	88.42	0.00
84	-1.49	88.42	0.00
85	-1.49	88.42	0.00
86	-1.49	88.42	0.00
87	-1.49	88.42	0.00
88	-1.49	88.42	0.00
89	-1.49	88.42	0.00
90	-1.49	88.42	0.00
Total Deg. Days (C) for Mar/82 =		0.00	
91	-1.49	88.42	0.00

COMFORT COVE NFLD ... continued

Station	Depth	Latitude	Longitude	Start
71A	9.0	49.41	54.83	Nov 17, 1981 13:00 GMT

Day Number	Mean Temp.	Deg. Day (3)	Deg. Day (4)
92	-1.49	88.42	0.00
93	-1.49	88.42	0.00
94	-1.49	88.42	0.00
95	-1.49	88.42	0.00
96	-1.49	88.42	0.00
97	-1.49	88.42	0.00
98	-1.49	88.42	0.00
99	-1.49	88.42	0.00
100	-1.49	88.42	0.00
101	-1.49	88.42	0.00
102	-1.49	88.42	0.00
103	-1.49	88.42	0.00
104	-1.49	88.42	0.00
105	-1.49	88.42	0.00
106	-1.49	88.42	0.00
107	-1.49	88.42	0.00
108	-1.49	88.42	0.00
109	-1.49	88.42	0.00
110	-1.49	88.42	0.00
111	-1.49	88.42	0.00
112	-1.07	88.42	0.00
113	-.99	88.42	0.00
114	-1.32	88.42	0.00
115	-.99	88.42	0.00
116	-.57	88.42	0.00
117	-.91	88.42	0.00
118	-1.16	88.42	0.00
119	-1.39	88.10	0.00

Estimated Deg. Days (3) for Apr/82 = .24

COMFORT COVE NFLD

Station	Deptn	Latitude	Longitude	Start
718	9.0	49.41	54.83	Nov 17, 1981 14:30 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
321	4.50	4.50	0.50
322	4.50	9.00	1.00
323	4.17	13.17	1.17
324	4.00	17.17	1.17
325	4.00	21.17	1.17
326	4.00	25.17	1.17
327	4.00	29.17	1.17
328	4.00	33.17	1.17
329	4.00	37.17	1.17
330	4.00	41.17	1.17
331	3.67	44.83	1.17
332	3.50	48.33	1.17
333	3.50	51.83	1.17
334	3.08	54.92	1.17
Estimated Deg. Days (C) for Nov/81 =		109.33	
335	3.00	57.92	1.17
336	3.00	60.92	1.17
337	3.00	63.92	1.17
338	3.00	66.92	1.17
339	3.00	69.92	1.17
340	3.00	72.92	1.17
341	3.00	75.92	1.17
342	3.00	78.92	1.17
343	3.00	81.92	1.17
344	3.00	84.92	1.17
345	3.00	87.92	1.17
346	3.00	90.92	1.17
347	3.00	93.92	1.17
348	3.00	96.92	1.17
349	3.00	99.92	1.17
350	3.00	102.92	1.17
351	3.00	105.92	1.17
352	2.50	108.42	1.17
353	2.50	110.92	1.17
354	2.50	113.42	1.17
355	2.08	115.50	1.17
356	2.00	117.50	1.17
357	1.58	119.08	1.17
358	2.00	121.08	1.17
359	1.50	122.58	1.17
360	.83	123.42	1.17
361	.92	124.33	1.17
362	.17	124.50	1.17
363	0.00	124.50	1.17
364	.25	124.75	1.17
365	.58	125.33	1.17
Total Deg. Days (C) for Dec/81 =		70.42	

COMFORT COVE NFLD ... continued

Station	Depth	Latitude	Longitude	Start
718	9.0	49.41	54.83	Nov 17, 1981 14:30 GMT

Day Number	Mean Temp.	Deg. Day (3)	Deg. Day (4)
1	1.00	126.33	1.17
2	.75	127.08	1.17
3	.92	128.00	1.17
4	1.00	129.00	1.17
5	1.00	130.00	1.17
6	1.00	131.00	1.17
7	.75	131.75	1.17
8	1.00	132.75	1.17
9	1.00	133.75	1.17
10	.75	134.50	1.17
11	.75	135.25	1.17
12	.50	135.75	1.17
13	.08	135.83	1.17
14	0.00	135.83	1.17
15	.67	136.50	1.17
16	.75	137.25	1.17
17	.50	137.75	1.17
18	.17	137.92	1.17
19	0.00	137.92	1.17
20	-.07	137.92	1.17
21	-.49	137.92	1.17
22	-.49	137.92	1.17
23	-.49	137.92	1.17
24	-.49	137.92	1.17
25	-.41	137.92	1.17
26	-.99	137.92	1.17
27	-.99	137.92	1.17
28	-.99	137.92	1.17
29	-.99	137.92	1.17
30	-.99	137.92	1.17
31	-.99	137.92	1.17

Total Deg. Days (3) for Jan/82 = 12.58

32	-.99	137.92	1.17
33	-.99	137.92	1.17
34	-.99	137.92	1.17
35	-.99	137.92	1.17
36	-.99	137.92	1.17
37	-.99	137.92	1.17
38	-.99	137.92	1.17
39	-.99	137.92	1.17
40	-.99	137.92	1.17
41	-.99	137.92	1.17
42	-.99	137.92	1.17
43	-.99	137.92	1.17
44	-.99	137.92	1.17
45	-.99	137.92	1.17
46	-.99	137.92	1.17
47	-.99	137.92	1.17

COMFORT COVE NFLD ... continued

Station	Deptn	Latitude	Longitude	Start
718	9.0	49.41	54.03	Nov 17, 1981 14:50 GMT

Day Number	Mean Temp.	Deg. Day (J)	Deg. Day (A)
48	-.99	137.92	1.17
49	-.99	137.92	1.17
50	-.99	137.92	1.17
51	-.99	137.92	1.17
52	-.99	137.92	1.17
53	-.99	137.92	1.17
54	-.99	137.92	1.17
55	-.99	137.92	1.17
56	-.99	137.92	1.17
57	-.99	137.92	1.17
58	-.99	137.92	1.17
59	-.99	137.92	1.17
Total Deg. Days (J) for Feb/82 =		0.00	
60	-.99	137.92	1.17
61	-.99	137.92	1.17
62	-.99	137.92	1.17
63	-.99	137.92	1.17
64	-.99	137.92	1.17
65	-.99	137.92	1.17
66	-.99	137.92	1.17
67	-.99	137.92	1.17
68	-.99	137.92	1.17
69	-.99	137.92	1.17
70	-.99	137.92	1.17
71	-.99	137.92	1.17
72	-.99	137.92	1.17
73	-.99	137.92	1.17
74	-.99	137.92	1.17
75	-.99	137.92	1.17
76	-.99	137.92	1.17
77	-.99	137.92	1.17
78	-.99	137.92	1.17
79	-.99	137.92	1.17
80	-.99	137.92	1.17
81	-.99	137.92	1.17
82	-.99	137.92	1.17
83	-.99	137.92	1.17
84	-.99	137.92	1.17
85	-.99	137.92	1.17
86	-.99	137.92	1.17
87	-.99	137.92	1.17
88	-.99	137.92	1.17
89	-.99	137.92	1.17
90	-.99	137.92	1.17
Total Deg. Days (J) for Mar/82 =		0.00	
91	-.99	137.92	1.17

COMFORT COVE NFLD ... continued

Station	Depth	Latitude	Longitude	Start
718	9.0	49.41	54.83	Nov 17, 1984 14:00 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (4)
92	-.99	137.92	1.17
93	-.99	137.92	1.17
94	-.99	137.92	1.17
95	-.99	137.92	1.17
96	-.99	137.92	1.17
97	-.99	137.92	1.17
98	-.99	137.92	1.17
99	-.99	137.92	1.17
100	-.99	137.92	1.17
101	-.99	137.92	1.17
102	-.99	137.92	1.17
103	-.57	137.92	1.17
104	-.49	137.92	1.17
105	-.49	137.92	1.17
106	-.49	137.92	1.17
107	-.49	137.92	1.17
108	-.49	137.92	1.17
109	-.49	137.92	1.17
110	-.49	137.92	1.17
111	-.49	137.92	1.17
112	-.49	137.92	1.17
113	-.07	137.92	1.17
114	-.41	137.92	1.17
115	-.49	137.92	1.17
116	.42	138.42	1.17
117	-.07	138.00	1.17
118	.08	138.92	1.17
119	-.49	138.83	1.17

Estimated Deg. Days (C) for Apr/82 = .95

COMFORT COVE NFLD

Station	Depth	Latitude	Longitude	Start
71C	9.0	49.41	54.83	Apr 29, 1982 12:30 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
119	-.99	0.00	0.00
120	-.99	0.00	0.00
121	-.99	0.00	0.00
122	-.99	0.00	0.00
123	-.99	0.00	0.00
124	-.99	0.00	0.00
125	-.99	0.00	0.00
126	-.99	0.00	0.00
127	-.99	0.00	0.00
128	-.99	0.00	0.00
129	-.99	0.00	0.00
130	-.99	0.00	0.00
131	-.99	0.00	0.00
132	-.99	0.00	0.00
133	-.99	0.00	0.00
134	-1.07	0.00	0.00
135	-1.16	0.00	0.00
136	-.16	0.00	0.00
137	0.100	0.00	0.00
138	.150	0.50	0.00
139	.158	1.08	0.00
140	1.17	2.25	0.00
141	1.100	3.25	0.00
142	2.00	5.25	0.00
143	2.192	8.17	0.00
144	2.58	10.75	0.00
145	2.42	13.17	0.00
146	1.150	14.67	0.00
147	1.192	16.59	0.00
148	2.75	19.34	0.00
149	1.83	21.17	0.00
150	1.00	22.17	0.00
151	2.17	24.33	0.00

Total Deg. Days (C) for May/82 = 24.33

152	1.00	24.67	0.00
153	1.00	25.67	0.00
154	1.00	26.67	0.00
155	1.00	27.67	0.00
156	1.142	29.08	0.00
157	3.00	32.08	0.00
158	.92	33.00	0.00
159	1.17	34.17	0.00
160	1.33	35.50	0.00
161	1.42	36.92	0.00
162	2.00	38.92	0.00
163	4.125	43.17	0.00
164	2.50	45.67	0.00
165	1.150	47.17	0.00

COMFORT COVE NFLD ... continued

Station	Depth	Latitude	Longitude	Start
71C	9.0	49.41	54.83	Apr 29, 1982 12:30 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
166	1.17	48.33	0.00
167	1.00	49.33	0.00
168	.50	49.83	0.00
169	.50	50.33	0.00
170	1.25	51.58	0.00
171	.92	52.50	0.00
172	.50	53.00	0.00
173	1.83	54.83	0.00
174	2.25	57.08	0.00
175	1.00	58.08	0.00
176	1.00	59.08	0.00
177	1.67	60.75	0.00
178	5.25	66.00	1.25
179	5.08	71.08	2.33
180	5.50	76.58	3.83
181	6.50	83.08	6.33

Total Deg. Days (C) for June/82 = 59.42

182	6.33	89.42	7.33
183	8.92	98.33	12.25
184	9.25	107.58	17.50
185	9.17	116.75	22.67
186	8.33	125.08	27.00
187	7.00	132.08	30.00
188	6.92	139.00	32.92
189	6.33	145.33	35.25
190	6.42	151.75	37.67
191	7.67	159.42	41.33
192	6.25	165.67	43.58
193	6.17	171.83	45.75
194	6.50	178.33	48.25
195	8.58	186.92	52.83
196	4.92	191.83	53.75
197	7.00	198.83	56.75
198	9.25	208.08	62.00
199	8.83	216.92	65.83
200	12.00	228.92	74.83
201	12.17	241.08	83.00
202	10.50	251.58	89.50
203	8.50	260.08	94.00
204	9.33	269.42	99.33
205	11.83	281.25	107.17
206	8.67	289.92	111.83
207	10.75	300.67	118.58
208	5.58	306.25	120.17
209	6.08	312.33	122.25
210	10.50	322.83	128.75
211	11.17	334.00	135.92
212	11.25	345.25	143.17

Total Deg. Days (C) for July/82 = 202.17

COMFORT COVE NFLD ... continued

Station	Depth	Latitude	Longitude	Start
71C	9.0	49.41	54.83	Apr 29, 1982 12:30 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
213	10.83	356.08	150.00
214	12.42	368.50	158.42
215	13.92	382.42	168.33
216	14.00	396.42	178.33
217	11.00	407.42	185.33
218	9.08	416.50	190.42
219	8.67	425.17	195.08
220	9.42	434.58	200.50
221	9.33	443.92	205.83
222	10.00	453.92	211.83
223	12.08	466.00	219.92
224	10.42	476.42	226.33
225	8.92	485.33	231.25
226	9.92	495.25	237.17
227	9.17	504.42	242.33
228	11.17	515.58	249.50
229	12.75	528.33	258.25
230	15.67	544.00	269.92
231	11.83	555.83	277.75
232	11.67	567.50	285.42
233	14.67	582.17	296.08
234	14.83	597.00	306.92
235	14.00	611.00	316.92
236	13.50	624.50	326.42
237	13.67	638.17	336.08
238	13.33	651.50	345.42
239	13.50	665.00	354.92
240	13.67	678.67	364.58
241	13.67	692.33	374.25
242	13.50	705.83	383.75
243	13.50	719.33	393.25

Total Deg. Days (C) for Aug/82 = 374.08

244	13.58	732.92	402.83
245	13.75	746.67	412.58
246	12.17	758.83	420.75
247	12.50	771.33	429.25
248	13.08	784.42	438.33
249	13.50	797.92	447.83
250	13.25	811.17	457.08
251	12.50	823.67	465.58
252	13.33	837.00	474.92
253	15.00	852.00	485.92
254	15.58	867.58	497.50
255	12.42	880.00	505.92
256	7.50	887.50	513.75

Estimated Deg. Days (C) for Sept/82 = 368.08

COMFORT COVE NFLD

Station	Depth	Latitude	Longitude	Start
710	9.0	49.41	54.03	Apr 29, 1982 17:30 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
119	-.99	0.00	0.00
120	-.99	0.00	0.00
121	-1.41	0.00	0.00
122	-1.49	0.00	0.00
123	-1.49	0.00	0.00
124	-1.49	0.00	0.00
125	-1.49	0.00	0.00
126	-1.49	0.00	0.00
127	-1.49	0.00	0.00
128	-1.49	0.00	0.00
129	-1.49	0.00	0.00
130	-1.49	0.00	0.00
131	-1.41	0.00	0.00
132	-.99	0.00	0.00
133	-.99	0.00	0.00
134	-1.16	0.00	0.00
135	-1.32	0.00	0.00
136	-.49	0.00	0.00
137	0.00	0.00	0.00
138	.42	.42	0.00
139	.25	.67	0.00
140	1.00	1.67	0.00
141	1.00	2.67	0.00
142	1.58	4.25	0.00
143	2.58	6.83	0.00
144	2.17	9.00	0.00
145	2.00	11.00	0.00
146	1.17	12.17	0.00
147	1.67	13.84	0.00
148	2.50	16.34	0.00
149	1.67	18.01	0.00
150	.67	18.68	0.00
151	2.17	20.83	0.00

Total Deg. Days (C) for May/82 = 20.83

152	.50	20.50	0.00
153	.50	21.00	0.00
154	.92	21.92	0.00
155	.67	22.58	0.00
156	.75	23.33	0.00
157	3.25	26.58	0.00
158	.67	27.25	0.00
159	1.00	28.25	0.00
160	.92	29.17	0.00
161	1.00	30.17	0.00
162	1.58	31.75	0.00
163	4.00	35.75	0.00
164	2.33	38.08	0.00
165	1.42	39.50	0.00

COMFORT COVE NFLD ... continued

Station	Depth	Latitude	Longitude	Start
710	9.0	49.41	54.83	Apr 29, 1982 17:30 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
166	.83	40.33	0.00
167	.50	40.83	0.00
168	.17	41.00	0.00
169	.17	41.17	0.00
170	1.08	42.25	0.00
171	.67	42.92	0.00
172	.50	43.42	0.00
173	1.50	44.92	0.00
174	2.25	47.17	0.00
175	.83	48.00	0.00
176	1.00	49.00	0.00
177	1.25	50.25	0.00
178	4.75	55.00	0.00
179	4.92	59.92	0.00
180	4.92	64.83	0.00
181	6.33	71.17	0.00
Total Deg. Days (C) for June/82 =		51.17	
182	6.08	77.25	3.83
183	8.17	85.42	8.00
184	8.92	94.33	12.92
185	9.00	103.33	17.92
186	8.17	111.50	22.08
187	6.67	118.17	24.75
188	6.42	124.58	27.17
189	6.08	130.67	29.25
190	6.25	136.92	31.50
191	7.33	144.25	34.83
192	5.25	149.50	36.08
193	5.67	155.17	37.75
194	6.00	161.17	39.75
195	8.00	169.17	43.75
196	4.42	173.58	44.17
197	6.75	180.33	46.92
198	8.92	189.25	51.83
199	8.58	197.83	56.42
200	11.50	209.33	63.92
201	11.92	221.25	71.83
202	10.33	231.58	78.17
203	8.58	240.17	82.75
204	9.17	249.33	87.92
205	11.08	260.42	93.00
206	8.50	268.92	99.50
207	10.25	279.17	105.75
208	5.17	284.33	108.92
209	5.42	289.75	108.83
210	10.17	299.92	114.50
211	10.33	310.25	120.83
212	11.00	321.25	127.83
Total Deg. Days (C) for July/82 =		250.08	

COMFORT COVE NFLD ... continued

Station	Depth	Latitude	Longitude	Start
710	9.0	49.41	54.03	Apr 29, 1982 17:30 GMT

Day Number	Mean Temp.	Degs. Day (3)	Degs. Day (4)
213	10.83	331.50	134.17
214	11.75	343.33	141.92
215	13.17	356.50	151.08
216	13.00	369.50	160.08
217	12.50	382.00	168.50
218	8.92	390.92	173.50
219	7.83	398.75	177.33
220	9.00	407.75	182.33
221	8.92	416.67	187.25
222	9.08	425.75	192.33
223	11.50	437.25	199.83
224	10.17	447.42	206.00
225	8.33	455.75	210.33
226	9.50	465.25	215.83
227	8.75	474.00	220.58
228	10.58	484.58	227.17
229	12.00	496.58	235.17
230	15.08	511.67	246.25
231	12.17	523.83	254.42
232	10.50	534.33	260.92
233	14.50	548.83	271.42
234	14.58	563.42	282.00
235	14.00	577.42	292.00
236	13.00	590.42	301.00
237	13.33	603.75	310.33
238	13.17	616.92	319.50
239	13.00	629.92	328.50
240	13.17	643.08	337.67
241	13.33	656.42	347.00
242	13.00	669.42	356.00
243	13.00	682.42	365.00

Total Degs. Days (3) for Aug/82 = 361.17

244	13.08	695.50	374.08
245	13.33	708.83	383.42
246	11.75	720.58	391.17
247	12.17	732.75	399.33
248	12.83	745.58	408.17
249	13.00	758.58	417.17
250	12.50	771.08	425.67
251	12.17	783.25	433.83
252	12.00	795.25	442.17

COMFORT COVE NFLD

Station	Depth	Latitude	Longitude		Start
71E	9.0	49.41	54.83	Sept 9, 1982	12:30 GMT

Day Number	Mean Temp.	Deg. Day (J)	Deg. Day (4)
252	12.25	12.25	9.58
253	12.25	24.50	17.83
254	12.50	37.00	26.33
255	12.50	49.50	34.83
256	12.50	62.00	43.33
257	12.50	74.50	51.83
258	13.00	87.50	60.83
259	12.33	99.83	69.17
260	11.92	111.75	77.08
261	12.17	123.92	85.25
262	11.00	134.92	92.25
263	11.58	146.50	99.83
264	12.00	158.50	107.83
265	11.75	170.25	115.58
266	11.92	182.17	123.50
267	12.00	194.17	131.50
268	12.00	206.17	139.50
269	11.75	217.92	147.25
270	12.00	229.92	155.25
271	12.00	241.92	163.25
272	11.83	253.75	171.08
273	10.75	264.50	177.83

Estimated Deg. Days (J) for Sept/82 = 345.00

274	10.58	275.08	184.42
275	11.00	286.08	191.42
276	9.58	295.67	197.00
277	9.33	305.00	202.33
278	9.33	314.33	207.67
279	9.00	323.33	212.67
280	9.00	332.33	217.67
281	9.00	341.33	222.67
282	9.00	350.33	227.67
283	8.50	358.83	232.17
284	8.33	367.17	236.50
285	8.00	375.17	240.50
286	8.00	383.17	244.50
287	8.00	391.17	248.50
288	8.00	399.17	252.50
289	8.00	407.17	256.50
290	8.00	415.17	260.50
291	8.00	423.17	264.50
292	8.00	431.17	268.50
293	8.00	439.17	272.50
294	8.00	447.17	276.50
295	8.00	455.17	280.50
296	8.00	463.17	284.50
297	7.83	471.00	288.33
298	7.50	478.50	291.83

COMFORT COVE NFLD ... continued

Station	Depth	Latitude	Longitude		Start
71E	9.0	49.41	54.03	Sept	9, 1982 12:30 GMT

Day Number	Mean Temp.	Deg. Day (J)	Deg. Day (A)
299	7.08	485.50	294.42
300	6.92	492.50	297.83
301	6.83	499.33	300.67
302	6.50	505.83	303.17
303	6.50	512.33	305.67
304	6.17	518.50	307.83
Total Deg. Days (J) for Oct/82 =		254.00	
305	6.00	524.50	309.83
306	6.00	530.50	311.83
307	6.00	536.50	313.83
308	6.00	542.50	315.83
309	6.00	548.50	317.83
310	6.00	554.50	319.83
311	6.00	560.50	321.83
312	5.83	566.33	323.67
313	5.50	571.83	325.17
314	5.33	577.17	326.50
315	5.00	582.17	327.50
316	5.00	587.17	328.50
317	5.00	592.17	329.50
318	5.00	597.17	330.50
319	5.00	602.17	331.50
320	5.00	607.17	332.50
321	5.00	612.17	333.50
322	4.50	616.67	334.00
323	4.50	621.17	334.50
324	4.00	625.17	334.50
325	4.00	629.17	334.50
326	4.00	633.17	334.50
327	4.00	637.17	334.50
328	4.00	641.17	334.50
329	4.00	645.17	334.50
330	3.92	649.08	334.50
331	3.50	652.58	334.50
332	3.08	655.67	334.50
333	2.92	658.58	334.50
334	2.50	661.08	334.50
Total Deg. Days (J) for Nov/82 =		142.50	
335	2.42	663.50	334.50
336	2.00	665.50	334.50
337	2.00	667.50	334.50
338	1.67	669.17	334.50
339	1.00	670.17	334.50
340	1.00	671.17	334.50
341	1.00	672.17	334.50
342	1.00	673.17	334.50

COMFORT COVE NFLD ... continued

Station	Depth	Latitude	Longitude		Start
71E	9.0	+9.44	54.83	Sept 9, 1982	12:30 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
343	.33	673.50	334.50
344	0.00	673.50	334.50
345	0.00	673.50	334.50
346	0.00	673.50	334.50
347	0.00	673.50	334.50

Estimated Deg. Days (C) for Dec/82 = 29.51

COMFORT COVE NFLD

Station	Depth	Latitude	Longitude		Start
71F	9.3	49.41	54.03	Sept 9, 1982	12:30 GMT

Day Number	Mean Temp.	Deg. Day (3)	Deg. Day (4)
252	11.50	11.50	8.83
253	11.58	23.08	16.42
254	12.00	35.08	24.42
255	12.00	47.08	32.42
256	12.00	59.08	40.42
257	12.00	71.08	48.42
258	12.00	83.08	56.42
259	11.83	94.92	64.25
260	11.33	106.25	71.58
261	11.75	118.00	79.33
262	10.50	128.50	85.83
263	11.08	139.58	92.92
264	11.25	150.83	100.17
265	11.00	161.83	107.17
266	11.00	172.83	114.17
267	11.00	183.83	121.17
268	11.50	195.33	128.67
269	11.08	206.42	135.75
270	11.00	217.42	142.75
271	11.50	228.92	150.25
272	11.25	240.17	157.50
273	10.17	250.33	163.67

Estimated Deg. Days (3) for Sept/82 = 325.52

274	10.08	260.42	169.75
275	10.50	270.92	176.25
276	9.08	280.00	181.33
277	9.00	289.00	186.33
278	8.92	297.92	191.25
279	8.50	306.42	195.75
280	8.50	314.92	200.25
281	8.50	323.42	204.75
282	8.50	331.92	209.25
283	8.00	339.92	213.25
284	7.92	347.83	217.17
285	7.50	355.33	220.67
286	7.50	362.83	224.17
287	7.75	370.58	227.92
288	8.00	378.58	231.92
289	7.50	386.08	235.42
290	7.50	393.58	238.92
291	7.50	401.08	242.42
292	7.50	408.58	245.92
293	7.08	415.67	249.00
294	7.00	422.67	252.00
295	7.42	430.08	255.42
296	7.50	437.58	258.92
297	7.17	444.75	262.08
298	7.00	451.75	265.08

COMFORT COVE NFLD ... continued

Station	Deptn	Latitude	Longitude		Start
71F	9.0	49.41	54.33	Sept 9, 1982	12:30 GMT

Day Number	Mean Temp.	Deg. Day (3)	Deg. Day (4)
299	6.67	428.42	267.75
300	6.33	434.75	270.00
301	6.33	471.00	272.42
302	5.83	476.92	274.25
303	5.83	482.75	277.08
304	5.67	488.42	277.75
Total Deg. Days (3) for Oct/82 =		238.38	
305	5.50	493.92	279.25
306	5.50	499.42	280.75
307	5.50	504.92	282.25
308	5.50	510.42	283.75
309	5.50	515.92	285.25
310	5.58	521.50	286.83
311	5.58	527.08	288.42
312	5.25	532.33	289.67
313	5.00	537.33	290.67
314	5.00	542.33	291.67
315	4.58	546.92	292.25
316	4.50	551.42	292.75
317	4.50	555.92	293.25
318	4.50	560.42	293.75
319	4.50	564.92	294.25
320	4.50	569.42	294.75
321	4.33	573.75	295.00
322	4.00	577.75	295.08
323	4.00	581.75	295.08
324	3.83	585.58	295.00
325	3.50	589.08	295.08
326	3.50	592.58	295.00
327	3.50	596.08	295.08
328	3.50	599.58	295.00
329	3.50	603.08	295.08
330	3.42	606.50	295.00
331	3.00	609.50	295.08
332	2.58	612.08	295.08
333	2.33	614.42	295.00
334	2.00	616.42	295.00
Total Deg. Days (3) for Nov/82 =		126.00	
335	2.00	618.42	295.08
336	1.58	620.00	295.00
337	1.50	621.50	295.08
338	1.50	623.00	295.00
339	1.42	624.42	295.08
340	1.00	625.42	295.00
341	1.00	626.42	295.08
342	1.00	627.42	295.08

COMFORT COVE NFLD ... continued

Station	Depth	Latitude	Longitude	Start
71F	9.0	49.41	54.83	Sept 9, 1982 12:30 GMT

Day Number	Mean Temp.	Deg. Day (3)	Deg. Day (4)
343	1.00	626.42	295.08
344	.75	629.17	295.08
345	.50	629.67	295.08
346	.50	630.17	295.08
347	.17	630.33	295.08
348	0.00	630.33	295.08
349	0.00	630.33	295.08
350	0.00	630.33	295.08
351	0.00	630.33	294.95

Estimated Deg. Days (3) for Dec/82 = 23.36

HILLSBRADE NFLD

Station	Depth	Latitude	Longitude	Start
72A	23.0	49.56	54.70	May 29, 1982 15:00 GMT

Day Number	Mean Temp.	Degr. Day (C)	Degr. Day (F)
149	5.00	5.00	1.00
150	4.50	9.50	1.80
151	3.92	13.42	1.67
152	4.00	17.42	2.17
153	4.42	22.42	2.58
154	3.83	26.75	2.58
155	4.08	30.83	2.58
156	3.58	34.17	2.50
157	4.25	38.42	2.58
158	3.75	42.17	2.58
159	3.33	45.50	2.58
160	3.75	49.25	2.50
161	4.25	53.50	2.83
162	5.00	58.50	3.00
163	5.17	63.67	3.00
164	5.75	69.42	3.75
165	6.00	75.42	3.75
166	6.00	81.42	4.00
167	5.67	87.08	4.42
168	6.00	93.08	4.42
169	6.50	99.58	4.50
170	5.25	104.83	4.17
171	7.00	111.83	4.17
172	6.50	118.33	4.67
173	4.00	122.33	4.67
174	4.67	127.00	4.33
175	4.00	131.00	5.00
176	6.92	137.92	4.92
177	6.08	144.00	5.00
178	5.00	149.00	5.33
179	3.50	152.50	5.42
180	5.00	157.50	5.00
181	4.67	162.25	5.08

Total Degr. Days (C) for June/82 = 139.75

182	6.17	168.42	5.25
183	6.33	174.75	5.08
184	6.67	181.42	5.25
185	7.50	188.92	5.75
186	7.50	196.42	5.25
187	7.17	203.58	5.42
188	8.50	212.08	5.92
189	8.67	220.75	6.00
190	9.17	229.92	6.75
191	9.67	239.58	7.42

HILLGRADE NFLD ... continued

Station	Deptn	Latitude	Longitude	Start
72A	23.0	49.56	54.70	May 25, 1982 00:00 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
192	10.00	240.67	77.50
193	11.00	251.67	84.33
194	10.50	262.17	91.00
195	11.67	273.83	98.67
196	13.00	286.92	107.75
197	14.00	300.92	117.75
198	13.17	314.08	126.92
199	14.33	328.42	137.42
200	15.08	343.50	148.33
201	15.92	359.42	159.75
202	12.58	371.50	168.33
203	12.33	383.83	176.67
204	11.42	395.25	184.00
205	11.50	406.75	191.58
206	11.83	418.58	199.92
207	12.92	431.50	207.83
208	11.67	443.17	215.50
209	10.58	453.75	222.00
210	12.33	466.08	230.42
211	12.33	477.92	238.75
212	12.92	490.83	247.67

Total Deg. Days (C) for July/82 = 337.50

213	12.50	502.83	255.67
214	12.00	514.83	263.67
215	11.92	526.75	271.50
216	9.25	536.50	278.33
217	11.00	546.50	285.33
218	11.75	558.25	293.08
219	12.67	570.92	301.75
220	12.75	583.67	310.50
221	12.67	596.33	319.17
222	13.00	609.33	328.17
223	13.17	622.50	337.33
224	13.75	636.25	347.00
225	14.00	650.25	357.08
226	14.42	664.67	367.50
227	15.00	679.67	378.50
228	15.00	694.67	389.50
229	15.00	709.67	400.50
230	15.00	724.67	411.50
231	15.17	739.83	422.67
232	15.75	755.58	434.42
233	16.00	771.58	446.42
234	16.17	787.75	458.58
235	16.50	804.25	471.08
236	16.25	820.50	483.33
237	16.50	837.00	495.83
238	16.00	853.00	508.83

HILLGRADE NFLD ... continued

Station	Depth	Latitude	Longitude	Start
72A	23.0	49.56	54.70	May 25, 1982 00:00 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
239	16.00	869.00	517.63
240	16.00	885.00	529.03
241	16.00	901.00	541.03
242	14.83	915.83	552.57
243	14.03	930.67	563.50

Total Deg. Days (C) for Aug/82 = 439.83

244	14.00	944.67	573.50
245	14.00	958.67	583.50
246	14.00	972.67	593.50
247	14.00	986.67	603.50
248	13.67	1000.33	613.17
249	13.58	1013.92	622.75
250	13.92	1027.83	632.67
251	13.75	1041.58	641.42
252	12.50	1054.08	649.92
253	13.00	1067.08	658.92
254	13.25	1080.33	668.17
255	13.42	1093.75	677.25
256	13.00	1106.75	686.50
257	13.00	1119.75	695.50
258	12.58	1132.33	704.17
259	12.50	1144.83	712.67
260	12.50	1157.33	721.17
261	12.42	1169.75	729.58
262	13.00	1182.75	738.58
263	13.00	1195.75	747.92

Estimated Deg. Days (C) for Sept/82 = 396.13

HILLGRADE NFLD

Station	Deptn	Latitude	Longitude	Start
728	23.0	49.58	54.70	Sept 14, 1982 13:30 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (4)
257	11.50	11.50	8.83
258	11.50	23.00	16.33
259	10.75	33.75	23.08
260	10.00	43.75	29.08
261	10.00	53.75	35.08
262	10.08	63.83	41.17
263	10.50	74.33	47.67
264	10.50	84.83	54.17
265	10.50	95.33	60.67
266	10.50	105.83	67.17
267	10.50	116.33	73.67
268	10.50	126.83	80.17
269	10.50	137.33	86.67
270	11.00	148.33	93.67
271	10.75	159.08	100.42
272	10.25	169.33	106.67
273	10.00	179.33	112.67

Estimated Deg. Days (C) for Sept/82 = 298.67

274	9.67	189.00	118.33
275	9.00	198.00	123.33
276	8.50	206.50	127.83
277	8.50	215.00	132.33
278	8.50	223.50	136.83
279	8.17	231.67	141.00
280	7.83	239.50	144.83
281	7.17	246.67	148.00
282	6.83	253.50	150.83
283	6.50	260.00	153.33
284	6.67	266.67	156.00
285	7.00	273.67	159.00
286	7.00	280.67	162.00
287	7.00	287.67	165.00
288	7.00	294.67	168.00
289	7.00	301.67	171.00
290	7.00	308.67	174.00
291	7.00	315.67	177.00
292	7.00	322.67	180.00
293	7.00	329.67	183.00
294	7.00	336.67	186.00
295	7.00	343.67	189.00
296	6.83	350.50	191.83
297	6.50	357.00	194.33
298	6.08	363.08	196.42
299	6.00	369.08	198.42
300	5.58	374.67	200.00
301	5.42	380.08	201.42
302	5.00	385.08	202.42
303	5.00	390.08	203.42

HILLGRADE NFLD ... continued

Station	Depth	Latitude	Longitude	Start
728	23.0	49.28	54.70	Sept 14, 1982 13:30 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
304	5.00	395.08	204.42
Total Deg. Days (C) for Oct/82 = 215.75			
305	5.00	400.08	205.42
306	5.00	405.08	206.42
307	5.00	410.08	207.42
308	5.00	415.08	208.42
309	5.00	420.08	209.42
310	5.00	425.08	210.42
311	5.00	430.08	211.42
312	4.83	434.92	212.25
313	4.33	439.25	212.58
314	4.00	443.25	212.58
315	4.00	447.25	212.58
316	4.00	451.25	212.58
317	4.00	455.25	212.58
318	4.50	459.75	213.08
319	4.50	464.25	213.58
320	4.00	468.25	213.58
321	4.00	472.25	213.58
322	3.92	476.17	213.58
323	3.50	479.67	213.58
324	3.50	483.17	213.58
325	3.50	486.67	214.08

Estimated Deg. Days (C) for Nov/82 = 130.83

STOCK COVE NFLD

Station	Depth	Latitude	Longitude	Start
73A	9.0	48.71	53.76	Nov 18, 1981 14:40 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
322	4.50	4.50	1.83
323	4.50	9.00	2.33
324	4.50	13.50	2.83
325	4.50	18.00	3.33
326	4.50	22.50	3.83
327	4.50	27.00	4.33
328	4.50	31.50	4.83
329	4.50	36.00	5.33
330	4.00	40.00	5.33
331	4.00	44.00	5.33
332	4.00	48.00	5.33
333	3.75	51.75	5.33
334	3.75	55.50	5.33

Estimated Deg. Days (C) for Nov/81 = 118.93

335	3.25	58.75	5.33
336	3.00	61.75	5.33
337	3.25	65.00	5.33
338	3.50	68.50	5.33
339	3.50	72.00	5.33
340	3.50	75.50	5.33
341	3.50	79.00	5.33
342	3.50	82.50	5.33
343	3.50	86.00	5.33
344	3.50	89.50	5.33
345	3.50	93.00	5.33
346	3.50	96.50	5.33
347	3.33	99.83	5.33
348	3.00	102.83	5.33
349	3.00	105.83	5.33
350	3.00	108.83	5.33
351	3.00	111.83	5.33
352	2.67	114.50	5.33
353	2.50	117.00	5.33
354	2.50	119.50	5.33
355	2.25	121.75	5.33
356	2.00	123.75	5.33
357	2.00	125.75	5.33
358	2.00	127.75	5.33
359	1.67	129.42	5.33
360	1.50	130.92	5.33
361	1.00	131.92	5.33
362	.92	132.83	5.33
363	.50	133.33	5.33
364	0.00	133.33	5.33
365	0.00	133.33	5.33

Total Deg. Days (C) for Dec/81 = 77.83

STOCK COVE NFLD ... continued

Station	Depth	Latitude	Longitude	Start
73A	9.0	48.71	53.76	Nov 18, 1981 14:40 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
1	.42	133.75	5.33
2	.50	134.25	5.33
3	.50	134.75	5.33
4	.50	135.25	5.33
5	.50	135.75	5.33
6	1.00	136.75	5.33
7	.92	137.67	5.33
8	.50	138.17	5.33
9	.83	139.00	5.33
10	.67	139.67	5.33
11	.50	140.17	5.33
12	0.00	140.17	5.33
13	-.07	140.17	5.33
14	-.49	140.17	5.33
15	-.91	140.17	5.33
16	-.49	140.17	5.33
17	-.49	140.17	5.33
18	-.24	140.17	5.33
19	0.00	140.17	5.33
20	-.49	140.17	5.33
21	-.74	140.17	5.33
22	-.99	140.17	5.33
23	-.99	140.17	5.33
24	-.99	140.17	5.33
25	-.99	140.17	5.33
26	-.99	140.17	5.33
27	-.99	140.17	5.33
28	-1.24	140.17	5.33
29	-1.49	140.17	5.33
30	-1.16	140.17	5.33
31	-1.32	140.17	5.33

Total Deg. Days (C) for Jan/82 = 6.83

32	-1.41	140.17	5.33
33	-1.49	140.17	5.33
34	-1.49	140.17	5.33
35	-1.49	140.17	5.33
36	-1.49	140.17	5.33
37	-1.49	140.17	5.33
38	-1.16	140.17	5.33
39	-1.49	140.17	5.33
40	-1.49	140.17	5.33
41	-1.49	140.17	5.33
42	-1.91	140.17	5.33
43	-1.49	140.17	5.33
44	-1.91	140.17	5.33
45	-1.99	140.17	5.33
46	-1.99	140.17	5.33
47	-1.99	140.17	5.33

STOCK COVE NFLD ... continued

Station	Depth	Latitude	Longitude	Start
73A	9.0	48.71	53.76	Nov 18, 1981 14:40 GMT

Day Number	Mean Temp.	Deg. Day (J)	Deg. Day (A)
48	-1.99	140.17	5.33
49	-1.99	140.17	5.33
50	-1.99	140.17	5.33
51	-1.99	140.17	5.33
52	-1.99	140.17	5.33
53	-1.99	140.17	5.33
54	-1.99	140.17	5.33
55	-1.99	140.17	5.33
56	-1.49	140.17	5.33
57	-1.49	140.17	5.33
58	-1.74	140.17	5.33
59	-1.99	140.17	5.33

Total Deg. Days (J) for Feb/82 = 0.00

60	-1.99	140.17	5.33
61	-1.99	140.17	5.33
62	-1.99	140.17	5.33
63	-1.99	140.17	5.33
64	-1.99	140.17	5.33
65	-1.99	140.17	5.33
66	-1.99	140.17	5.33
67	-1.99	140.17	5.33
68	-1.99	140.17	5.33
69	-1.99	140.17	5.33
70	-1.99	140.17	5.33
71	-1.99	140.17	5.33
72	-1.99	140.17	5.33
73	-1.99	140.17	5.33
74	-1.99	140.17	5.33
75	-1.99	140.17	5.33
76	-1.99	140.17	5.33
77	-1.99	140.17	5.33
78	-1.99	140.17	5.33
79	-1.99	140.17	5.33
80	-1.99	140.17	5.33
81	-1.99	140.17	5.33
82	-1.99	140.17	5.33
83	-1.99	140.17	5.33
84	-1.99	140.17	5.33
85	-1.99	140.17	5.33
86	-1.99	140.17	5.33
87	-1.99	140.17	5.33
88	-1.99	140.17	5.33
89	-1.99	140.17	5.33
90	-1.99	140.17	5.33

Total Deg. Days (J) for Mar/82 = 0.00

91	-1.99	140.17	5.33

STOCK COVE NFLD ... continued

Station	Depth	Latitude	Longitude	Start
73A	9.0	48.71	53.76	Nov 18, 1981 14:40 GMT

Day Number	Mean Temp.	Deg. Day (3)	Deg. Day (4)
92	-1.99	140.17	5.33
93	-1.99	140.17	5.33
94	-1.99	140.17	5.33
95	-1.99	140.17	5.33
96	-1.99	140.17	5.33
97	-1.57	140.17	5.33
98	-1.41	140.17	5.33
99	-1.49	140.17	5.33
100	-1.99	140.17	5.33
101	-1.99	140.17	5.33
102	-1.99	140.17	5.33
103	-1.99	140.17	5.33
104	-1.99	140.17	5.33
105	-1.99	140.17	5.33
106	-1.82	140.17	5.33
107	-.99	140.17	5.33
108	-.99	140.17	5.33
109	-1.82	140.17	5.33
110	-1.49	139.92	5.33

Estimated Deg. Days (3) for Apr/82 = .37

STOCK COVE NFLD

Station	Depth	Latitude	Longitude	Start
738	9.0	48.71	53.76	Nov 20, 1981 12:00 GMT

Day Number	Mean Temp.	Deg. Day (3)	Deg. Day (4)
322	5.00	5.00	2.33
323	5.00	10.00	3.33
324	5.00	15.00	4.33
325	5.00	20.00	5.33
326	5.00	25.00	6.33
327	5.00	30.00	7.33
328	5.00	35.00	8.33
329	5.00	40.00	9.33
330	4.67	44.67	10.00
331	4.50	49.17	10.50
332	4.50	53.67	11.00
333	4.50	58.17	11.50
334	4.50	62.67	12.00

Estimated Deg. Days (3) for Nov/81 = 134.29

335	4.00	66.67	12.08
336	3.50	70.17	12.08
337	3.92	74.08	12.08
338	4.00	78.08	12.08
339	4.00	82.08	12.08
340	4.00	86.08	12.08
341	4.00	90.08	12.08
342	4.00	94.08	12.08
343	4.00	98.08	12.08
344	4.00	102.08	12.08
345	4.00	106.08	12.08
346	4.00	110.08	12.08
347	3.83	113.92	12.08
348	3.50	117.42	12.08
349	3.50	120.92	12.08
350	3.50	124.42	12.08
351	3.50	127.92	12.08
352	3.17	131.08	12.08
353	3.00	134.08	12.08
354	3.00	137.08	12.08
355	2.92	140.00	12.08
356	2.50	142.50	12.08
357	2.50	145.00	12.08
358	2.00	147.00	12.08
359	2.00	149.00	12.08
360	2.00	151.00	12.08
361	1.92	152.92	12.08
362	1.42	154.33	12.08
363	1.00	155.33	12.08
364	.67	156.00	12.08
365	1.00	157.00	12.08

Total Deg. Days (3) for Dec/81 = 94.33

STOCK COVE NFLD ... continued

Station	Depth	Latitude	Longitude	Start
738	9.0	48.71	53.76	Nov 18, 1981 12:00 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
1	1.00	158.00	12.08
2	1.00	159.00	12.08
3	1.00	160.00	12.08
4	1.00	161.00	12.08
5	1.00	162.00	12.08
6	1.25	163.25	12.08
7	1.50	164.75	12.08
8	1.50	166.25	12.08
9	1.50	167.75	12.08
10	1.00	168.75	12.08
11	1.00	169.75	12.08
12	.67	170.42	12.08
13	.50	170.92	12.08
14	0.00	170.92	12.08
15	0.00	170.92	12.08
16	0.00	170.92	12.08
17	0.00	170.92	12.08
18	0.00	170.92	12.08
19	0.00	170.92	12.08
20	0.00	170.92	12.08
21	0.00	170.92	12.08
22	0.00	170.92	12.08
23	-.16	170.92	12.08
24	-.49	170.92	12.08
25	-.24	170.92	12.08
26	0.00	170.92	12.08
27	-.24	170.92	12.08
28	-.49	170.92	12.08
29	-.49	170.92	12.08
30	-.49	170.92	12.08
31	-.49	170.92	12.08

Total Deg. Days (C) for Jan/82 = 13.92

32	-.82	170.92	12.08
33	-.99	170.92	12.08
34	-.99	170.92	12.08
35	-.99	170.92	12.08
36	-.49	170.92	12.08
37	-.49	170.92	12.08
38	-.49	170.92	12.08
39	-.91	170.92	12.08
40	-.99	170.92	12.08
41	-.99	170.92	12.08
42	-.99	170.92	12.08
43	-.99	170.92	12.08
44	-.99	170.92	12.08
45	-.99	170.92	12.08
46	-1.49	170.92	12.08
47	-1.49	170.92	12.08

STOCK COVE NFLD ... continued

Station	Depth	Latitude	Longitude	Start
738	9.0	48.71	53.76	Nov 18, 1981 12:00 GMT

Day Number	Mean Temp.	Deg. Day (0)	Deg. Day (4)
48	-1.49	170.92	12.08
49	-1.49	170.92	12.08
50	-1.32	170.92	12.08
51	-.99	170.92	12.08
52	-.99	170.92	12.08
53	-.99	170.92	12.08
54	-.99	170.92	12.08
55	-.99	170.92	12.08
56	-.99	170.92	12.08
57	-.99	170.92	12.08
58	-.99	170.92	12.08
59	-.99	170.92	12.08
Total Deg. Days (0) for Feb/82 =		0.00	
60	-.99	170.92	12.08
61	-.99	170.92	12.08
62	-.99	170.92	12.08
63	-.99	170.92	12.08
64	-1.49	170.92	12.08
65	-1.49	170.92	12.08
66	-1.49	170.92	12.08
67	-1.41	170.92	12.08
68	-.99	170.92	12.08
69	-.99	170.92	12.08
70	-.99	170.92	12.08
71	-.99	170.92	12.08
72	-.99	170.92	12.08
73	-.99	170.92	12.08
74	-.99	170.92	12.08
75	-.99	170.92	12.08
76	-.99	170.92	12.08
77	-.99	170.92	12.08
78	-1.49	170.92	12.08
79	-1.49	170.92	12.08
80	-1.49	170.92	12.08
81	-1.49	170.92	12.08
82	-1.32	170.92	12.08
83	-.99	170.92	12.08
84	-.99	170.92	12.08
85	-.99	170.92	12.08
86	-.99	170.92	12.08
87	-1.16	170.92	12.08
88	-1.49	170.92	12.08
89	-1.49	170.92	12.08
90	-1.41	170.92	12.08
Total Deg. Days (0) for Mar/82 =		0.00	
91	-.99	170.92	12.08

STOCK COVE NFLD ... continued

Station	Depth	Latitude	Longitude	Start
738	9.0	48.71	53.76	Nov 18, 1981 12:00 GMT

Day Number	Mean Temp.	Deg. Day (D)	Deg. Day (A)
92	-.99	170.92	12.08
93	-.99	170.92	12.08
94	-.99	170.92	12.08
95	-.99	170.92	12.08
96	-.99	170.92	12.08
97	-.99	170.92	12.08
98	-.99	170.92	12.08
99	-.99	170.92	12.08
100	-.99	170.92	12.08
101	-.99	170.92	12.08
102	-.99	170.92	12.08
103	-.99	170.92	12.08
104	-.99	170.92	12.08
105	-.99	170.92	12.08
106	-.99	170.92	12.08
107	-.91	170.92	12.08
108	-.57	170.92	12.08
109	-.99	170.92	12.08
110	-.99	170.92	12.08

Estimated Deg. Days (D) for Apr/82 = 0.00

STOCK COVE NFLD

Station	Depth	Latitude	Longitude	Start
73C	9.0	48.71	53.76	Apr 20, 1982 20:20 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
110		* NO DATA *	
111	-.16	.00	0.00
112	-.91	.00	0.00
113	-.91	.00	0.00
114	-.49	.00	0.00
115	-.41	.00	0.00
116	-.16	.00	0.00
117	-.07	.00	0.00
118	0.00	.00	0.00
119	0.00	.00	0.00
120	0.00	.00	0.00

Estimated Deg. Days (C) for Apr/82 = .21

121	.00	.17	0.00
122	.50	.67	0.00
123	.08	.75	0.00
124	0.00	.75	0.00
125	0.00	.75	0.00
126	0.00	.75	0.00
127	0.00	.75	0.00
128	.25	1.00	0.00
129	.83	1.83	0.00
130	1.83	3.67	0.00
131	3.25	6.92	0.00
132	3.25	10.17	0.00
133	3.58	13.75	0.00
134	3.75	17.50	0.00
135	3.58	21.08	0.00
136	3.33	24.42	0.00
137	3.00	27.42	0.00
138	3.50	30.92	0.00
139	3.83	34.75	0.00
140	3.33	38.08	0.00
141	3.00	41.08	0.00
142	2.33	43.42	0.00
143	2.83	46.25	0.00
144	3.33	49.58	0.00
145	2.50	52.08	0.00
146	1.42	53.50	0.00
147	1.92	55.42	0.00
148	2.17	57.58	0.00
149	2.50	60.08	0.00
150	2.75	62.83	0.00
151	2.50	65.33	0.00

Total Deg. Days (C) for May/82 = 65.25

152	3.33	68.67	0.00
153	3.00	71.67	0.00

STOCK COVE NFLD ... continued

Station	Depth	Latitude	Longitude	Start
73C	9.0	48.71	53.76	Apr 20, 1982 20:20 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
154	2.50	74.17	0.00
155	2.67	76.83	0.00
156	3.17	80.00	0.00
157	3.17	83.17	0.00
158	4.08	87.25	.08
159	4.67	91.92	.75
160	5.17	97.08	1.92
161	5.50	102.58	3.42
162	6.00	108.58	5.42
163	6.00	114.58	7.42
164	5.58	120.17	9.00
165	5.25	125.42	10.25
166	5.17	130.58	11.42
167	4.83	135.42	12.25
168	5.25	140.67	13.50
169	6.08	146.75	15.58
170	6.42	153.17	18.00
171	5.58	158.75	19.58
172	6.50	165.25	22.08
173	6.58	171.83	24.67
174	6.58	178.42	27.25
175	6.42	184.83	29.67
176	5.75	190.58	31.42
177	6.75	197.33	34.17
178	6.58	203.92	36.75
179	6.08	210.00	38.83
180	6.67	216.67	41.50
181	6.00	222.67	43.50
Total Deg. Days (C) for June/82 =		157.33	
182	4.92	227.58	44.42
183	3.75	231.33	44.83
184	3.58	234.92	44.83
185	3.92	238.83	45.08
186	4.33	243.17	45.42
187	5.00	248.17	46.42
188	5.08	253.25	47.50
189	5.50	258.75	49.00
190	5.00	263.75	50.00
191	4.83	268.58	50.83
192	5.42	274.00	52.25
193	6.00	280.00	54.25
194	6.25	286.25	56.50
195	5.08	291.33	57.58
196	7.17	298.50	60.75
197	9.75	308.25	66.50
198	9.58	317.83	72.66
199	9.83	327.67	77.92
200	8.25	335.92	82.17

STOCK COVE NFLD ... continued

Station	Deptn	Latitude	Longitude	Start
73C	9.0	48.71	53.76	Apr 20, 1982 20:20 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
201	8.00	343.92	86.17
202	9.92	353.83	92.08
203	9.92	363.75	98.00
204	9.42	373.17	103.42
205	9.25	382.42	108.67
206	11.08	393.50	115.75
207	10.92	404.42	122.67
208	10.17	414.58	128.83
209	11.08	425.67	135.92
210	11.17	436.83	143.08
211	9.67	446.50	148.75
212	10.08	456.58	154.83
Total Deg. Days (C) for July/82 =		233.92	
213	11.00	467.58	161.83
214	10.50	478.08	168.33
215	10.75	488.83	175.08
216	10.50	499.33	181.58
217	11.42	510.75	189.00
218	11.00	521.75	196.00
219	10.92	532.67	202.92
220	10.58	543.25	209.50
221	10.42	553.67	215.92
222	10.00	563.67	221.92
223	9.17	572.83	227.08
224	9.67	582.50	232.75
225	11.42	593.92	240.17
226	10.17	604.08	246.33
227	10.33	614.42	252.67
228	10.58	625.00	259.25
229	10.17	635.17	265.42
230	8.50	643.67	269.92
231	8.75	652.42	274.67
232	9.17	661.58	279.83
233	8.58	670.17	284.42
234	9.42	679.58	289.83
235	10.33	689.92	296.17
236	11.00	700.92	303.17
237	11.00	711.92	310.17
238	11.00	722.92	317.17
239	11.00	733.92	324.17
240	11.00	744.92	331.17
241	11.00	755.92	338.17
242	11.50	767.42	345.67
243	11.50	778.92	353.17
Total Deg. Days (C) for Aug/82 =		322.33	
244	11.50	790.42	360.67

STOCK COVE NFLD ... continued

Station	Deptn	Latitude	Longitude	Start
73C	9.0	48.71	53.76	Apr 20, 1982 20:20 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
245	11.83	802.25	368.50
246	12.00	814.25	376.50
247	12.00	826.25	384.50
248	12.00	838.25	392.50
249	12.17	850.42	400.67
250	12.75	863.17	409.42
251	12.83	876.00	418.25
252	12.50	888.50	426.75
253	12.20	900.70	435.48

Estimated Deg. Days (C) for Sept/82 = 365.35

STOCK COVE NFLD

Station	Depth	Latitude	Longitude	Start
730	9.0	48.71	53.76	Apr 20, 1982 19:30 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
110	0.00	0.00	0.00
111	-.99	0.00	0.00
112	-1.49	0.00	0.00
113	-1.49	0.00	0.00
114	-.99	0.00	0.00
115	-.91	0.00	0.00
116	-.99	0.00	0.00
117	-.57	0.00	0.00
118	-.66	0.00	0.00
119	-.91	0.00	0.00
120	-.49	0.00	0.00

Estimated Deg. Days (C) for Apr/82 = 0.00

121	-.49	0.00	0.00
122	-.49	0.00	0.00
123	-.74	0.00	0.00
124	-.99	0.00	0.00
125	-.99	0.00	0.00
126	-.99	0.00	0.00
127	-.99	0.00	0.00
128	-.57	0.00	0.00
129	-.07	0.00	0.00
130	1.75	1.75	0.00
131	2.42	4.17	0.00
132	2.67	6.83	0.00
133	3.00	9.83	0.00
134	3.08	12.92	0.00
135	3.00	15.92	0.00
136	2.83	18.75	0.00
137	2.50	21.25	0.00
138	3.08	24.33	0.00
139	3.17	27.50	0.00
140	2.83	30.33	0.00
141	2.42	32.75	0.00
142	1.67	34.42	0.00
143	2.25	36.67	0.00
144	2.67	39.33	0.00
145	1.50	40.83	0.00
146	.83	41.67	0.00
147	1.58	43.25	0.00
148	2.00	45.25	0.00
149	2.00	47.25	0.00
150	2.00	49.25	0.00
151	1.83	51.08	0.00

Total Deg. Days (C) for May/82 = 51.08

152	2.92	54.00	0.00
153	2.25	56.25	0.00

STOCK COVE NFLD ... continued

Station	Depth	Latitude	Longitude	Start
730	9.0	48.71	53.76	Apr 20, 1982 19:30 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
154	1.75	58.00	0.00
155	2.50	60.50	0.00
156	2.75	63.25	0.00
157	2.83	66.08	0.00
158	3.75	69.83	0.00
159	4.08	73.92	0.00
160	4.92	78.83	0.00
161	5.08	83.92	0.00
162	6.00	89.92	.83
163	5.83	95.75	2.67
164	4.92	100.67	3.58
165	4.83	105.50	4.42
166	4.58	110.08	5.00
167	4.17	114.25	5.17
168	4.83	119.08	6.00
169	5.83	124.92	7.83
170	5.83	130.75	9.67
171	5.33	136.08	11.00
172	6.33	142.42	13.33
173	6.17	148.58	15.50
174	6.00	154.58	17.50
175	5.92	160.50	19.42
176	5.25	165.75	20.67
177	6.42	172.17	23.00
178	6.00	178.17	25.08
179	6.17	184.33	27.25
180	6.08	190.42	29.33
181	5.67	196.08	31.00

Total Deg. Days (C) for June/82 = 145.00

182	4.17	200.25	31.17
183	3.00	203.25	31.17
184	2.33	205.58	31.17
185	2.67	208.25	31.17
186	3.92	212.17	31.17
187	4.17	216.33	31.33
188	4.92	221.25	32.25
189	4.92	226.17	33.17
190	4.50	230.67	33.67
191	3.83	234.50	33.67
192	4.67	239.17	34.33
193	5.50	244.67	35.03
194	5.75	250.42	37.58
195	4.42	254.83	38.00
196	6.42	261.25	40.42
197	9.25	270.50	45.67
198	9.42	279.92	51.08
199	9.50	289.42	56.58
200	7.33	296.75	59.92

STOCK COVE NFLD ... continued

Station	Deptn	Latitude	Longitude	Start
730	9.0	48.71	53.76	Apr 20, 1982 19:30 GMT

Day Number	Mean Temp.	Deg. Day (3)	Deg. Day (4)
201	7.00	303.75	62.92
202	9.42	313.17	68.33
203	9.75	322.92	74.08
204	8.92	331.83	79.00
205	8.92	340.75	83.92
206	10.83	351.58	90.75
207	10.50	362.06	97.25
208	9.75	371.83	103.00
209	10.92	382.75	109.92
210	11.17	393.92	117.08
211	9.33	403.25	122.42
212	9.75	413.00	128.17
Total Deg. Days (D) for July/82 =		216.92	
213	10.67	423.67	134.83
214	10.17	433.83	141.00
215	10.50	444.33	147.50
216	10.42	454.75	153.92
217	11.08	465.83	161.00
218	10.67	476.50	167.67
219	10.50	487.00	174.17
220	10.08	497.08	180.25
221	10.00	507.08	186.25
222	9.75	516.83	192.00
223	8.67	525.50	196.67
224	9.17	534.67	201.83
225	11.00	545.67	208.83
226	9.67	555.33	214.50
227	9.58	564.92	220.08
228	10.25	575.17	226.33
229	9.83	585.00	232.17
230	8.17	593.17	236.33
231	8.17	601.33	240.50
232	8.67	610.00	245.17
233	7.75	617.75	248.92
234	9.08	626.83	254.00
235	9.83	636.67	259.83
236	10.42	647.08	266.25
237	10.92	658.00	273.17
238	10.83	668.83	280.00
239	10.42	679.25	286.42
240	10.92	690.17	293.33
241	10.92	701.08	300.25
242	11.00	712.08	307.25
243	11.08	723.17	314.33
Total Deg. Days (D) for Aug/82 =		310.17	
244	11.50	734.67	321.83

STOCK COVE NFLD ... continued

Station	Deptn	Latitude	Longitude	Start
730	9.0	48.71	53.76	Apr 20, 1982 19:30 GMT

Day Number	Mean Temp.	Deg. Day (3)	Deg. Day (4)
245	11.92	746.50	329.75
246	12.00	758.50	337.75
247	12.00	770.58	345.75
248	11.75	782.33	353.50
249	12.00	794.33	361.50
250	12.92	807.25	370.42
251	12.58	819.83	379.00
252	12.17	832.00	387.17
253	12.00	844.00	396.17

Estimated Deg. Days (3) for Sept/82 = 362.50

STOCK COVE NFLD

Station	Depth	Latitude	Longitude	Start
73E	9.0	48.71	53.76	Sept 10, 1982 14:15 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
253	11.50	11.50	8.83
254	11.92	23.42	16.75
255	12.00	35.42	24.75
256	12.00	47.42	32.75
257	12.00	59.42	40.75
258	12.00	71.42	48.75
259	12.00	83.42	56.75
260	12.00	95.42	64.75
261	12.00	107.42	72.75
262	12.00	119.42	80.75
263	12.00	131.42	88.75
264	12.00	143.42	96.75
265	12.00	155.42	104.75
266	12.00	167.42	112.75
267	12.00	179.42	120.75
268	11.67	191.08	128.42
269	12.00	203.08	136.42
270	12.00	215.08	144.42
271	12.00	227.08	152.42
272	12.00	239.08	160.42
273	11.67	250.75	168.08

Estimated Deg. Days (C) for Sept/82 = 341.93

274	11.50	262.25	175.58
275	11.33	273.58	182.92
276	11.00	284.58	189.92
277	10.67	295.25	196.58
278	10.50	305.75	203.08
279	10.00	315.75	209.08
280	10.00	325.75	215.08
281	9.83	335.58	220.92
282	9.42	345.00	226.33
283	9.00	354.00	231.33
284	9.00	363.00	236.33
285	9.00	372.00	241.33
286	9.00	381.00	246.33
287	8.50	389.50	250.83
288	8.50	398.00	255.33
289	8.50	406.50	259.83
290	8.42	414.92	264.25
291	8.00	422.92	268.25
292	8.00	430.92	272.25
293	8.00	438.92	276.25
294	8.00	446.92	280.25
295	8.00	454.92	284.25
296	8.00	462.92	288.25
297	7.83	470.75	292.08
298	7.50	478.25	295.58
299	7.00	485.25	298.58

STOCK COVE NFLD ... continued

Station	Depth	Latitude	Longitude	Start
73E	9.0	48.71	53.76	Sept 10, 1982 14:15 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
300	7.00	492.25	301.58
301	7.00	499.25	304.58
302	6.67	505.92	307.25
303	6.50	512.42	309.75
304	6.50	518.92	312.25
Total Deg. Days (C) for Oct/82 = 268.17			
305	6.50	525.42	314.75
306	6.50	531.92	317.25
307	6.00	537.92	319.25
308	6.00	543.92	321.25
309	6.00	549.92	323.25
310	6.00	555.92	325.25
311	6.00	561.92	327.25
312	6.00	567.92	329.25
313	6.00	573.92	331.25
314	6.00	579.92	333.25
315	6.00	585.92	335.25
316	5.50	591.42	336.75
317	5.33	596.75	338.08
318	5.00	601.75	339.08
319	5.50	607.25	340.58
320	5.50	612.75	342.08
321	4.58	617.33	342.67
322	4.50	621.83	343.17
323	4.50	626.33	343.67
324	4.50	630.83	344.17
325	4.17	635.00	344.33
326	4.00	639.00	344.33
327	4.00	643.00	344.33
328	4.00	647.00	344.33
329	3.75	650.75	344.33
330	3.42	654.17	344.33
331	3.00	657.17	344.33
332	3.00	660.17	344.33
333	2.58	662.75	344.33
334	2.17	664.92	344.33
Total Deg. Days (C) for Nov/82 = 146.00			
335	2.00	666.92	344.33
336	2.00	668.92	344.33
337	2.00	670.92	344.33
338	2.00	672.92	344.33
339	2.00	674.92	344.33
340	2.00	676.92	344.33
341	2.00	678.92	344.33
342	2.00	680.92	344.33
343	1.67	682.58	344.33

STOCK COVE NFLD ... continued

Station	Depth	Latitude	Longitude	Start
73E	9.0	48.71	53.76	Sept 10, 1982 14:15 GMT

Day Number	Mean Temp.	Deg. Day (1)	Deg. Day (4)
344	1.50	684.08	344.33
345	1.50	685.58	344.33
346	1.50	687.08	344.33
347	1.08	688.17	344.33
348	1.00	689.17	344.33
349	.42	689.58	344.33
350	.60	690.18	344.30

Estimated Deg. Days (0) for Dec/82 = 48.95

STOCK COVE NFLD

Station	Depth	Latitude	Longitude	Start
73F	9.0	48.71	53.76	Sept 10, 1982 14:15 GMT

Day Number	Mean Temp.	Deg. Day (0)	Deg. Day (4)
253	11.00	11.00	8.33
254	11.17	22.17	15.50
255	11.50	33.67	23.00
256	11.08	44.75	30.08
257	11.00	55.75	37.08
258	11.50	67.25	44.58
259	11.50	78.75	52.08
260	11.50	90.25	59.58
261	11.08	101.33	66.67
262	11.50	112.83	74.17
263	11.50	124.33	81.67
264	11.50	135.83	89.17
265	11.50	147.33	96.67
266	11.50	158.83	104.17
267	11.42	170.25	111.58
268	11.08	181.33	118.67
269	11.50	192.83	126.17
270	11.50	204.33	133.67
271	11.50	215.83	141.17
272	11.50	227.33	148.67
273	11.08	238.42	155.75

Estimated Deg. Days (0) for Sept/82 = 325.11

274	11.00	249.42	162.75
275	10.92	260.33	169.67
276	10.50	270.83	176.17
277	10.00	280.83	182.17
278	10.00	290.83	188.17
279	9.92	300.75	194.08
280	9.50	310.25	199.58
281	9.42	319.67	205.00
282	9.00	328.67	210.00
283	8.50	337.17	214.50
284	8.50	345.67	219.00
285	8.67	354.33	223.67
286	8.58	362.92	228.25
287	8.08	371.00	232.33
288	8.00	379.00	236.33
289	8.00	387.00	240.33
290	8.00	395.00	244.33
291	8.00	403.00	248.33
292	8.00	411.00	252.33
293	8.00	419.00	256.33
294	7.67	426.67	260.00
295	7.50	434.17	263.50
296	7.50	441.67	267.00
297	7.50	449.17	270.50
298	7.00	456.17	273.50
299	6.50	462.67	276.00

STOCK COVE NFLD ... continued

Station	Depth	Latitude	Longitude	Start
73F	9.0	48.71	53.76	Sept 10, 1982 14:15 GMT

Day Number	Mean Temp.	Deg. Day (3)	Deg. Day (4)
300	6.50	469.17	278.50
301	6.50	475.67	281.00
302	6.33	482.00	283.33
303	6.00	488.00	285.33
304	6.00	494.00	287.33
Total Deg. Days (0) for Oct/82 =		255.38	
305	6.00	500.00	289.33
306	6.00	506.00	291.33
307	5.83	511.83	293.17
308	5.50	517.33	294.67
309	5.50	522.83	296.17
310	5.50	528.33	297.67
311	5.50	533.83	299.17
312	5.50	539.33	300.67
313	5.50	544.83	302.17
314	5.50	550.33	303.67
315	5.50	555.83	305.17
316	5.00	560.83	306.17
317	4.92	565.75	307.08
318	4.58	570.33	307.67
319	5.00	575.33	308.67
320	5.00	580.33	309.67
321	4.50	584.83	310.17
322	4.50	589.33	310.67
323	4.17	593.50	310.83
324	4.00	597.50	310.83
325	4.00	601.50	310.83
326	3.83	605.33	310.83
327	3.50	608.83	310.83
328	3.50	612.33	310.83
329	3.42	615.75	310.83
330	3.00	618.75	310.83
331	2.75	621.50	310.83
332	2.50	624.00	310.83
333	2.33	626.33	310.83
334	2.00	628.33	310.83
Total Deg. Days (3) for Nov/82 =		134.33	
335	2.00	630.33	310.83
336	2.00	632.33	310.83
337	1.50	633.83	310.83
338	1.25	635.08	310.83
339	1.00	636.08	310.83
340	1.42	637.50	310.83
341	1.50	639.00	310.83
342	1.50	640.50	310.83
343	1.50	642.00	310.83

STOCK COVE (FLD ... continued

Station	Depth	Latitude	Longitude	Start
73F	9.0	48.71	53.76	Sept 10, 1982 14:15 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
344	1.08	643.08	310.83
345	1.00	644.08	310.83
346	1.00	645.08	310.83
347	.75	645.83	310.83
348	.50	646.33	310.83
349	.25	646.58	310.83
350	.20	646.78	310.73

Estimated Deg. Days (C) for Dec/82 = 35.75

SALVAGE BAY NFLD

Station	Depth	Latitude	Longitude	Start
74A	36.5	48.38	53.33	June 4, 1982 10:30 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
155	2.83	2.83	.75
156	3.42	6.25	.75
157	3.75	10.00	1.08
158	5.00	15.00	2.08
159	4.67	19.67	2.75
160	5.00	24.67	3.75
161	4.50	29.17	4.25
162	4.50	33.67	4.75
163	4.67	38.33	5.42
164	5.42	43.75	6.83
165	6.42	50.17	9.25
166	6.00	56.17	11.25
167	6.33	62.50	13.58
168	6.08	68.58	15.67
169	6.50	75.08	18.17
170	5.75	80.83	19.92
171	5.58	86.42	21.50
172	5.83	92.25	23.33
173	5.25	97.50	24.58
174	5.50	103.00	26.08
175	5.50	108.50	27.58
176	5.00	113.50	28.58
177	5.33	118.83	29.92
178	6.08	124.92	32.00
179	6.25	131.17	34.25
180	6.17	137.33	36.42
181	4.92	142.25	37.42

Estimated Deg. Days (C) for June/82 = 152.41

182	3.67	145.92	37.58
183	5.00	150.92	38.58
184	3.25	154.17	38.67
185	5.83	160.00	40.50
186	5.92	165.92	42.42
187	6.00	171.92	44.42
188	6.50	178.42	46.92
189	6.00	184.42	48.92
190	5.25	189.67	50.25
191	7.75	197.42	54.00
192	7.17	204.58	57.17
193	7.00	211.58	60.17
194	7.25	218.83	63.42
195	8.33	227.17	67.75
196	9.67	236.83	73.42
197	9.25	246.08	78.67
198	8.83	254.92	83.50
199	8.58	263.50	88.08
200	9.42	272.92	93.50
201	10.58	283.50	100.08

SALVAGE BAY NFLD ... continued

Station	Depth	Latitude	Longitude		Start
74A	30.5	48.38	53.33	June 4, 1982	10:30 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
202	10.83	294.33	106.92
203	9.92	304.25	112.83
204	9.42	313.67	118.25
205	10.50	324.17	124.75
206	10.83	335.00	131.58
207	10.75	345.75	138.33
208	10.58	356.33	144.92
209	10.67	367.00	151.58
210	9.42	376.42	157.00
211	9.42	385.83	162.42
212	10.08	395.92	168.50
Total Deg. Days (C) for July/82 =		253.67	
213	10.00	405.92	174.50
214	10.33	416.25	180.83
215	10.50	426.75	187.33
216	11.00	437.75	194.33
217	11.42	449.17	201.75
218	11.67	460.83	209.42
219	11.83	472.67	217.25
220	12.42	485.08	225.67
221	12.92	498.00	234.58
222	11.17	509.17	241.75
223	11.83	521.00	249.58
224	12.83	533.83	258.42
225	13.75	547.58	268.17
226	13.17	560.75	277.33
227	13.00	573.75	286.33
228	13.08	586.83	295.42
229	10.17	597.00	301.58
230	11.17	608.17	308.75
231	12.00	620.17	316.75
232	10.08	630.25	322.83
233	10.42	640.67	329.25
234	10.25	650.92	335.50
235	11.25	662.17	342.75
236	12.17	674.33	350.92
237	12.08	686.42	359.00
238	10.92	697.33	365.92
239	11.25	708.58	373.17
240	11.00	719.58	380.17
241	11.00	730.58	387.17
242	11.33	741.92	394.50
243	11.08	753.00	401.58
Total Deg. Days (C) for Aug/82 =		357.08	
244	11.00	764.00	409.92

SALVAGE BAY NFLD

Station	Deptn	Latitude	Longitude	Start
748	16.0	48.63	53.63	Aug 31, 1982 10:30 GMT

Day Number	Mean Temp.	Deg. Day (0)	Deg. Day (4)
243	17.17	17.17	14.30
244	16.17	33.33	26.67
245	14.50	47.83	37.17
246	11.83	59.67	45.00
247	11.25	70.92	52.25
248	11.08	82.00	59.33
249	11.58	93.58	66.92
250	12.00	105.58	74.92
251	11.67	117.25	82.58
252	11.50	128.75	90.08
253	11.25	140.00	97.33
254	11.00	151.00	104.33
255	11.00	162.00	111.33
256	11.00	173.00	118.33
257	11.00	184.00	125.33
258	11.25	195.25	132.58
259	11.50	206.75	140.08
260	11.50	218.25	147.58
261	11.50	229.75	155.08
262	11.50	241.25	162.58
263	11.08	252.33	169.67
264	11.00	263.33	176.67
265	11.00	274.33	183.67
266	11.08	285.42	190.75
267	11.50	296.92	198.25
268	11.00	307.92	205.25
269	11.00	318.92	212.25
270	11.00	329.92	219.25
271	11.00	340.92	226.25
272	11.00	351.92	233.25
273	11.00	362.92	240.25

Total Deg. Days (0) for Sept/82 = 345.75

274	10.08	373.00	246.33
275	10.00	383.00	252.33
276	10.00	393.00	258.33
277	10.00	403.00	264.33
278	9.92	412.92	270.25
279	9.50	422.42	275.75
280	9.50	431.92	281.25
281	9.25	441.17	286.50
282	9.00	450.17	291.50
283	9.00	459.17	296.50
284	8.58	467.75	301.08
285	8.50	476.25	305.58
286	8.17	484.42	309.75
287	8.00	492.42	313.75
288	8.00	500.42	317.75
289	7.17	507.58	320.92

SALVAGE BAY NFLD ... continued

Station	Deptn	Latitude	Longitude	Start
74B	16.0	48.63	53.63	Aug 31, 1982 10:30 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
290	7.17	514.75	324.08
291	7.00	521.75	327.08
292	7.42	529.17	330.50
293	7.50	536.67	334.00
294	7.50	544.17	337.50
295	7.50	551.67	341.00
296	7.42	559.08	344.42
297	7.00	566.08	347.42
298	7.00	573.08	350.42
299	7.00	580.08	353.42
300	6.67	586.75	356.08
301	6.50	593.25	358.58
302	6.42	599.67	361.00
303	6.00	605.67	363.00
304	6.00	611.67	365.00
Total Deg. Days (C) for Oct/82 =		248.75	
305	6.00	617.67	367.00
306	6.00	623.67	369.00
307	6.00	629.67	371.00
308	6.00	635.67	373.00
309	6.00	641.67	375.00
310	6.00	647.67	377.00
311	5.75	653.42	378.75
312	5.50	658.92	380.25
313	5.50	664.42	381.75
314	5.50	669.92	383.25
315	5.50	675.42	384.75
316	5.25	680.67	386.00
317	5.00	685.67	387.00
318	5.00	690.67	388.00
319	5.00	695.67	389.53
Estimated Deg. Days (C) for Nov/82 =		168.00	

TERRA NOVA NAT. PARK NFLD

Station	Deptn	Latitude	Longitude	Start
75A	36.0	48.47	53.93	Aug 10, 1982 13:00 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (4)
222	5.125	5.25	2.58
223	3.183	9.08	2.67
224	3.183	12.42	2.67
225	3.50	15.92	2.67
226	4.00	19.92	2.67
227	4.00	23.92	2.67
228	4.00	27.92	2.67
229	4.00	31.92	2.67
230	3.192	35.83	2.67
231	3.08	38.92	2.67
232	3.125	42.17	2.67
233	3.117	45.33	2.67
234	3.100	48.33	2.67
235	3.142	51.75	2.67
236	3.192	55.67	2.67
237	4.17	59.83	2.83
238	4.00	63.83	2.83
239	4.00	67.83	2.83
240	4.133	72.17	3.17
241	5.42	77.58	4.58
242	6.00	83.58	6.58
243	6.25	89.83	8.83

Estimated Deg. Days (C) for Aug/82 = 121.08

244	6.50	96.33	11.33
245	6.175	103.08	14.08
246	8.83	111.92	18.92
247	9.83	121.75	24.75
248	6.08	127.83	26.83
249	5.17	133.00	28.00
250	6.00	139.00	30.00
251	9.142	148.42	35.42
252	11.142	159.83	42.83
253	10.150	170.33	49.33
254	6.192	177.25	52.25
255	10.00	187.25	58.25
256	10.183	198.08	69.08
257	10.67	208.75	71.75
258	10.50	219.25	78.25
259	11.58	230.83	85.83
260	11.75	242.58	93.58
261	10.17	252.75	99.75
262	11.142	264.17	107.17
263	9.58	273.75	112.75
264	5.167	279.42	114.42
265	8.83	288.25	119.25
266	10.142	298.67	125.67
267	10.17	308.83	131.83
268	7.08	315.92	134.92

TERRA NOVA NAT. PARK NFLD ... continued

Station	Deptn	Latitude	Longitude	Start
75A	36.0	48.47	53.93	Aug 10, 1982 13:00 GMT

Day Number	Mean Temp.	Deg. Day (D)	Deg. Day (4)
269	9.167	325.58	140.58
270	10.50	336.08	147.08
271	9.75	345.83	152.83
272	10.175	356.58	159.58
273	11.25	367.83	160.83
Total Deg. Days (D) for Sept/82 =		278.00	
274	11.50	379.33	174.33
275	11.50	390.83	181.83
276	11.50	402.33	189.33
277	11.50	413.83	196.83
278	11.08	424.92	203.92
279	11.00	435.92	210.92
280	11.00	446.92	217.92
281	11.00	457.92	224.92
282	11.00	468.92	231.92
283	11.00	479.92	238.92
284	10.67	490.58	245.58
285	10.50	501.08	252.08
286	10.25	511.33	258.33
287	10.00	521.33	264.33
288	10.42	531.75	270.75
289	7.83	539.58	274.58
290	6.17	545.75	276.75
291	5.25	551.00	278.00
292	6.17	557.17	280.17
293	7.00	564.17	283.17
294	7.00	571.17	286.17
295	6.42	577.58	288.58
296	7.25	584.83	291.83
297	8.00	592.83	295.83
298	7.175	600.58	299.58
299	6.33	606.92	301.92
300	7.00	613.92	304.92
301	7.00	620.92	307.92
302	7.00	627.92	310.92
303	7.00	634.92	313.92
304	7.00	641.92	316.92
Total Deg. Days (D) for Oct/82 =		274.08	
305	6.83	648.75	319.75
306	6.50	655.25	322.25
307	7.00	662.25	325.25
308	7.00	669.25	328.25
309	7.00	676.25	331.25
310	7.00	683.25	334.25
311	6.50	689.75	336.75
312	5.50	695.25	338.25

TERRA NOVA NAT. PARK NFLD ... continued

Station	Depth	Latitude	Longitude	Start
75A	36.0	48.47	53.93	Aug 10, 1982 13:00 G

Day Number	Mean Temp.	Deg. Day (3)	Deg. Day (4)
313			
314	4.83		
315	5.17	700.08	
316	6.00	705.25	339.08
317	5.92	711.25	340.25
318	5.17	717.17	342.25
319	4.58	722.33	344.17
320	4.42	726.92	345.33
321	5.50	731.33	345.92
	5.17	736.83	346.33
		742.00	347.83
			349.00

Estimated Deg. Days (3) for Nov/82 = 176.62

SUNNYSIDE NFLD

Station	Depth	Latitude	Longitude	Start
77A	33.0	47.85	53.92	Oct 1, 1981 17:45 GMT

Day Number	Mean Temp.	Deg. Day (3)	Deg. Day (4)
274	9.00	9.00	5.00
275	9.00	18.00	10.00
276	8.58	26.58	14.58
277	9.00	35.58	19.58
278	8.08	43.67	23.67
279	7.25	50.92	26.92
280	6.75	57.67	29.67
281	7.08	64.75	32.75
282	8.00	72.75	36.75
283	8.25	81.00	41.00
284	8.25	89.25	45.25
285	8.83	98.08	50.08
286	9.00	107.08	55.08
287	8.83	115.92	59.92
288	8.50	124.42	64.42
289	7.75	132.17	68.17
290	5.08	137.25	69.25
291	8.42	145.67	73.67
292	9.00	154.67	78.67
293	9.00	163.67	83.67
294	8.75	172.42	88.42
295	8.50	180.92	92.92
296	7.42	188.33	96.33
297	7.00	195.33	99.33
298	5.17	200.50	101.42
299	4.17	204.67	102.25
300	7.33	212.00	105.58
301	7.17	219.17	108.75
302	5.25	224.42	110.00
303	7.92	232.33	113.92
304	8.00	240.33	117.92

Total Deg. Days (0) for Oct/81 = 240.33

305	6.83	247.17	120.75
306	7.50	254.67	124.25
307	7.33	262.00	127.58
308	6.92	268.92	130.50
309	7.00	275.92	133.50
310	6.75	282.67	136.25
311	7.00	289.67	139.25
312	6.00	295.67	141.25
313	5.33	301.00	142.58
314	5.00	306.00	143.58
315	5.00	311.00	144.58
316	6.00	317.00	146.58
317	4.58	321.58	147.17
318	4.75	326.33	147.92
319	5.00	331.33	148.92
320	3.50	334.83	148.92

SUNNYSIDE NFLD ... continued

Station	Deptn	Latitude	Longitude	Start
77A	33.3	47.65	53.92	Oct 1, 1981 17:45 GMT

Day Number	Mean Temp.	Deg. Day (3)	Deg. Day (4)
321	5.00	339.83	150.00
322	5.67	345.50	151.67
323	4.42	349.92	152.17
324	6.00	355.92	154.17
325	6.00	361.92	156.17
326	6.00	367.92	158.17
327	6.00	373.92	160.17
328	5.08	379.00	161.25
329	3.83	382.83	161.25
330	4.33	387.17	161.58
331	5.33	392.50	162.92
332	5.50	398.00	164.42
333	5.50	403.50	165.92
334	4.92	408.42	166.83

Total Deg. Days (3) for Nov/81 = 168.08

335	4.50	412.92	167.33
336	4.50	417.42	167.83
337	4.50	421.92	168.33
338	4.50	426.42	168.83
339	4.50	430.92	169.33
340	4.50	435.42	169.83
341	4.50	439.92	170.33
342	4.33	444.25	170.67
343	4.08	448.33	170.92
344	4.25	452.58	171.17
345	4.08	456.67	171.25
346	3.75	460.42	171.25
347	3.67	464.08	171.25
348	3.00	467.08	171.25
349	3.58	470.67	171.25
350	4.00	474.67	171.25
351	3.50	478.17	171.25
352	2.08	480.25	171.25
353	1.00	481.25	171.25
354	1.50	482.75	171.25
355	2.00	484.75	171.25
356	2.00	486.75	171.25
357	2.00	488.75	171.25
358	2.00	490.75	171.25
359	2.00	492.75	171.25
360	2.00	494.75	171.25
361	2.00	496.75	171.25
362	2.00	498.75	171.25
363	2.00	500.75	171.25
364	2.00	502.75	171.25
365	2.00	504.75	171.25

Total Deg. Days (0) for Dec/81 = 96.33

SUNNYSIDE NFLD ... continued

Station	Depth	Latitude	Longitude	Start
77A	33.0	47.85	53.92	Oct 1, 1981 17:45 GMT

Day Number	Mean Temp.	Deg. Day (J)	Deg. Day (4)
1	2.00	506.75	171.25
2	2.00	508.75	171.25
3	2.00	510.75	171.25
4	2.00	512.75	171.25
5	2.00	514.75	171.25
6	2.00	516.75	171.25
7	2.00	518.75	171.25
8	2.00	520.75	171.25
9	1.92	522.67	171.25
10	1.50	524.17	171.25
11	1.00	525.17	171.25
12	0.00	525.17	171.25
13	.17	525.33	171.25
14	.50	525.83	171.25
15	.50	526.33	171.25
16	.42	526.75	171.25
17	0.00	526.75	171.25
18	0.00	526.75	171.25
19	0.00	526.75	171.25
20	0.00	526.75	171.25
21	0.00	526.75	171.25
22	0.00	526.75	171.25
23	0.00	526.75	171.25
24	0.00	526.75	171.25
25	0.00	526.75	171.25
26	0.00	526.75	171.25
27	0.00	526.75	171.25
28	0.00	526.75	171.25
29	0.00	526.75	171.25
30	0.00	526.75	171.25
31	0.00	526.75	171.25

Total Deg. Days (J) for Jan/82 = 22.00

32	0.00	526.75	171.25
33	-.07	526.75	171.25
34	0.00	526.75	171.25
35	0.00	526.75	171.25
36	0.00	526.75	171.25
37	0.00	526.75	171.25
38	0.00	526.75	171.25
39	0.00	526.75	171.25
40	0.00	526.75	171.25
41	0.00	526.75	171.25
42	-.41	526.75	171.25
43	-.49	526.75	171.25
44	-.49	526.75	171.25
45	-.49	526.75	171.25
46	-.32	526.75	171.25
47	0.00	526.75	171.25

SUNNYSIDE NFLD ... continued

Station	Depth	Latitude	Longitude	Start
77A	33.0	47.85	53.92	Oct 1, 1981 17:45 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
48	-.49	526.75	171.25
49	-.49	526.75	171.25
50	-.74	526.75	171.25
51	-.99	526.75	171.25
52	-.99	526.75	171.25
53	-.99	526.75	171.25
54	-.99	526.75	171.25
55	-.99	526.75	171.25
56	-.91	526.75	171.25
57	-.49	526.75	171.25
58	-.49	526.75	171.25
59	-.49	526.75	171.25

Total Deg. Days (C) for Feb/82 = 0.00

60	-.49	526.75	171.25
61	-.24	526.92	171.25
62	1.00	527.92	171.28

SUNNYSIDE NFLD

Station	Deptn	Latitude	Longitude	Start
778	10.0	47.85	53.92	Mar 2, 1982 15:30 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
61	-1.49	0.00	0.00
62	-1.57	0.00	0.00
63	-1.99	0.00	0.00
64	-1.99	0.00	0.00
65	-1.99	0.00	0.00
66	-1.99	0.00	0.00
67	-1.99	0.00	0.00
68	-1.99	0.00	0.00
69	-1.99	0.00	0.00
70	-1.99	0.00	0.00
71	-1.99	0.00	0.00
72	-1.99	0.00	0.00
73	-1.99	0.00	0.00
74	-1.99	0.00	0.00
75	-1.66	0.00	0.00
76	-1.49	0.00	0.00
77	-.99	0.00	0.00
78	-.99	0.00	0.00
79	-1.49	0.00	0.00
80	-1.49	0.00	0.00
81	-1.49	0.00	0.00
82	-1.49	0.00	0.00
83	-1.49	0.00	0.00
84	-1.49	0.00	0.00
85	-1.49	0.00	0.00
86	-1.49	0.00	0.00
87	-1.49	0.00	0.00
88	-1.41	0.00	0.00
89	-.99	0.00	0.00
90	-.99	0.00	0.00
Total Deg. Days (C) for Mar/82 =		0.00	
91	-.99	0.00	0.00
92	-.99	0.00	0.00
93	-.99	0.00	0.00
94	-.99	0.00	0.00
95	-.99	0.00	0.00
96	-.99	0.00	0.00
97	-.99	0.00	0.00
98	-.99	0.00	0.00
99	-.99	0.00	0.00
100	-.99	0.00	0.00
101	-.99	0.00	0.00
102	-.99	0.00	0.00
103	-.99	0.00	0.00
104	-.99	0.00	0.00
105	-.99	0.00	0.00
106	-.99	0.00	0.00
107	-.99	0.00	0.00

SUNNYSIDE NFLD ... continued

Station	Deptn	Latitude	Longitude	Start
778	10.0	47.85	53.92	Mar 2, 1982 15:30 GMT

Day Number	Mean Temp.	Deg. Day (0)	Deg. Day (4)
108	-.99	0.00	0.00
109	-.66	0.00	0.00
110	-.74	0.00	0.00
111	-.99	0.00	0.00
112	-.16	0.00	0.00
113	-.49	0.00	0.00
114	-.49	0.00	0.00
115	-.49	0.00	0.00
116	-.07	0.00	0.00
117	-.24	0.00	0.00
118	-.49	0.00	0.00
119	-.49	0.00	0.00
120	.17	0.17	0.00
Total Deg. Days (0) for Apr/82 =		.33	
121	1.17	.75	0.00
122	1.00	1.75	0.00
123	1.00	2.75	0.00
124	1.33	4.08	0.00
125	1.25	5.33	0.00
126	1.00	6.33	0.00
127	1.00	7.33	0.00
128	1.50	8.83	0.00
129	2.92	11.75	0.00
130	3.00	14.75	0.00
131	3.00	17.75	0.00
132	3.00	20.75	0.00
133	3.00	23.75	0.00
134	3.17	26.92	0.00
135	3.50	30.42	0.00
136	3.50	33.92	0.00
137	3.50	37.42	0.00
138	3.33	40.75	0.00
139	3.42	44.17	0.00
140	3.42	47.58	0.00
141	3.50	51.08	0.00
142	2.50	53.58	0.00
143	-.32	53.67	0.00
144	.58	54.50	0.00
145	3.00	57.50	0.00
146	1.83	59.33	0.00
147	1.00	60.42	0.00
148	-.16	60.58	0.00
149	2.33	62.92	0.00
150	3.67	66.58	0.00
151	4.50	71.08	0.00
Total Deg. Days (0) for May/82 =		71.50	

SUNNYSIDE NFLD ... continued

Station	Depth	Latitude	Longitude	Start
778	10.0	47.85	53.92	Mar 2, 1982 15:30 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
152	4.125	75.33	0.00
153	4.17	79.50	0.00
154	5.00	84.50	0.00
155	4.92	89.42	.58
156	4.50	93.92	1.08
157	4.83	98.75	1.92
158	4.58	103.33	2.58
159	5.42	108.75	4.00
160	5.25	114.00	5.25
161	6.83	120.83	8.08
162	6.25	127.08	10.33
163	6.33	133.42	12.67
164	7.08	140.50	15.75
165	7.58	148.08	19.33
166	7.50	155.58	22.83
167	8.25	163.83	27.08
168	8.33	172.17	31.42
169	7.83	180.00	35.25
170	8.33	188.33	39.58
171	8.08	196.42	43.67
172	8.67	205.08	48.33
173	8.00	213.08	52.67

Estimated Deg. Days (C) for June/82 = 193.54

SUNNYSIDE NFLD

Station	Depth	Latitude	Longitude	Start
77C	10.0	47.85	53.92	June 22, 1982 17:00 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
173	8.50	8.50	4.50
174	8.00	16.50	8.50
175	7.67	24.17	12.17
176	8.33	32.50	16.50
177	5.92	38.42	18.42
178	6.33	44.75	20.75
179	6.33	51.08	23.08
180	7.58	58.67	26.67
181	6.83	65.50	29.50
Estimated Deg. Days (C) for June/82 =		190.50	
182	7.00	72.50	32.67
183	2.00	74.50	32.67
184	1.92	76.42	32.67
185	1.58	78.00	32.67
186	.67	78.67	32.67
187	.83	79.50	32.67
188	1.00	80.50	32.67
189	.83	81.33	32.67
190	.92	82.25	32.67
191	.92	83.17	32.67
192	.50	83.67	32.67
193	.58	84.25	32.67
194	1.92	86.17	32.67
195	2.50	88.67	32.67
196	2.42	91.08	32.67
197	1.92	93.00	32.67
198	4.50	97.50	33.17
199	4.42	101.92	34.00
200	6.08	108.00	36.08
201	2.58	110.58	36.08
202	1.75	112.33	36.08
203	2.33	114.67	36.08
204	3.08	117.75	36.08
205	3.00	120.75	36.08
206	2.58	123.33	36.08
207	2.25	125.58	36.08
208	2.33	127.92	36.08
209	2.92	130.83	36.08
210	5.58	136.42	37.75
211	7.75	144.17	41.50
212	7.08	151.25	44.58
Total Deg. Days (C) for July/82 =		85.75	
213	4.67	155.92	45.25
214	4.50	160.42	45.75
215	5.58	166.00	47.42
216	3.67	169.67	47.42

SUNNYSIDE NFLD ... continued

Station	Depth	Latitude	Longitude	Start
77C	10.0	47.85	53.92	June 22, 1982 17:00 GMT

Day Number	Mean Temp.	Deg. Day (3)	Deg. Day (4)
217	3.75	173.42	47.50
218	3.58	177.00	47.67
219	6.92	183.92	50.58
220	8.67	192.58	55.25
221	7.00	199.58	56.25
222	7.125	206.83	61.50
223	10.33	217.17	67.83
224	5.67	222.83	69.50
225	3.67	226.50	69.50
226	3.25	229.75	69.50
227	3.167	233.42	69.50
228	4.50	237.92	70.08
229	4.17	242.08	70.42
230	4.08	246.17	70.58
231	4.00	250.17	70.75
232	3.150	253.67	70.75
233	5.125	258.92	72.00
234	3.183	262.75	72.17
235	3.100	265.75	72.17
236	3.17	268.92	72.17
237	3.50	272.42	72.25
238	4.175	277.17	73.08
239	6.33	283.50	75.42
240	5.08	288.58	76.50
241	5.75	294.33	78.25
242	4.08	298.42	78.42
243	5.42	303.83	79.83

Total Deg. Days (3) for Aug/82 = 152.58

244	7.92	311.75	83.75
245	7.67	319.42	87.42
246	8.67	328.08	92.08
247	9.17	337.25	97.25
248	9.125	346.50	102.50
249	6.158	353.08	105.08
250	6.167	359.75	107.75
251	5.67	365.42	109.42
252	7.142	372.83	112.83
253	9.142	382.25	118.25
254	9.167	391.92	123.92
255	8.167	400.58	128.58
256	9.100	409.58	133.58
257	10.158	420.17	140.17
258	10.150	430.67	146.67
259	10.192	441.58	153.58
260	11.100	452.58	160.58
261	11.00	463.58	167.58
262	11.100	474.58	174.58
263	11.00	485.58	181.58

SUNNYSIDE NFLD ...e continued

Station	Depth	Latitude	Longitude	Start
77C	10.0	47.85	53.92	June 22, 1982 17:00 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (4)
264	11.00	496.58	188.58
265	11.00	507.58	195.58
266	11.00	518.58	202.58
267	11.08	529.67	209.67
268	11.17	540.83	216.83
269	11.00	551.83	223.83
270	11.00	562.83	230.83
271	11.00	573.83	237.83
272	11.00	584.83	244.83
273	10.50	595.33	251.33
Total Deg. Days (C) for Sept/82 =		291.50	
274	10.50	605.83	257.83
275	10.50	616.33	264.33
276	10.50	626.83	270.83
277	10.50	637.33	277.33
278	10.50	647.83	283.83

SUNNYSIDE NFLD

Station	Depth	Latitude	Longitude	Start
77D	20.0	47.85	53.92	June 22, 1982 16:45 GMT

Day Number	Mean Temp.	Deg. Day (0)	Deg. Day (4)
173	7.50	7.50	3.50
174	7.50	15.00	7.00
175	7.58	22.58	10.58
176	7.42	30.00	14.00
177	4.17	34.17	14.33
178	6.08	40.25	16.42
179	4.92	45.17	17.33
180	5.92	51.08	19.25
181	3.92	55.00	19.75
Estimated Deg. Days (0) for June/82 =		165.00	
182	3.33	58.33	20.00
183	1.58	59.92	20.00
184	1.58	61.50	20.00
185	1.25	62.75	20.00
186	.58	63.33	20.00
187	.50	63.83	20.00
188	.67	64.50	20.00
189	.50	65.00	20.00
190	.75	65.75	20.00
191	.50	66.25	20.00
192	.50	66.75	20.00
193	.75	67.50	20.00
194	1.75	69.25	20.00
195	1.42	70.67	20.00
196	1.42	72.08	20.00
197	2.58	74.67	20.08
198	3.42	78.08	20.33
199	5.25	83.33	21.92
200	3.83	87.17	22.83
201	1.50	88.67	22.83
202	1.50	90.17	22.83
203	1.50	91.67	22.83
204	1.92	93.58	22.83
205	1.58	95.17	22.83
206	1.17	96.33	22.83
207	1.42	97.75	22.83
208	1.58	99.33	22.83
209	2.75	102.08	22.83
210	5.08	107.17	23.92
211	8.00	115.17	27.92
212	3.67	118.83	28.83
Total Deg. Days (0) for July/82 =		63.33	
213	3.33	122.17	28.83
214	3.75	125.92	28.83
215	3.00	128.92	28.83
216	2.08	131.00	28.83

SUNNYSIDE NFLD ... continued

Station	Depth	Latitude	Longitude	Start
770	20.0	47.85	53.92	June 22, 1982 16:45 GMT

Day Number	Mean Temp.	Deg. Day (D)	Deg. Day (A)
217	2.00	133.00	28.83
218	2.58	135.58	28.83
219	5.92	141.50	30.75
220	5.42	146.92	32.17
221	4.50	151.42	32.67
222	5.08	156.50	33.75
223	5.42	161.92	35.17
224	2.67	164.58	35.17
225	2.50	167.08	35.17
226	2.50	169.58	35.17
227	2.50	172.08	35.17
228	3.08	175.17	35.17
229	3.50	178.67	35.17
230	3.50	182.17	35.17
231	2.92	185.08	35.17
232	2.50	187.58	35.17
233	2.50	190.08	35.17
234	2.33	192.42	35.17
235	2.00	194.42	35.17
236	2.42	196.83	35.17
237	2.75	199.58	35.17
238	3.92	203.50	35.33
239	5.17	208.67	36.50
240	4.00	212.67	36.75
241	4.08	216.75	37.42
242	3.58	220.33	37.50
243	5.08	225.42	38.58
Total Deg. Days (D) for Aug/82 =		106.58	
244	6.83	232.25	41.42
245	5.58	237.83	43.00
246	7.42	245.25	46.42
247	9.42	254.67	51.83
248	6.75	261.42	54.58
249	5.67	267.08	56.25
250	5.50	272.58	57.75
251	4.92	277.50	58.67
252	7.75	285.25	62.42
253	9.92	295.17	68.33
254	8.17	303.33	72.50
255	7.75	311.08	76.25
256	8.83	319.92	81.08
257	10.25	330.17	87.33
258	9.33	339.50	92.67
259	10.25	349.75	98.92
260	11.00	360.75	105.92
261	11.08	371.83	113.00
262	11.25	383.08	120.25
263	11.00	394.08	127.25

SUNNYSIDE NFLD ... continued

Station	Depth	Latitude	Longitude	Start
77D	20.0	47.85	53.92	June 22, 1982 10:45 GMT

Day Number	Mean Temp.	Deg. Day (D)	Deg. Day (4)
264	11.00	405.08	134.25
265	11.00	416.08	141.25
266	11.50	427.58	148.75
267	11.08	438.67	155.83
268	8.33	447.00	160.17
269	9.75	456.75	165.92
270	11.25	468.00	173.17
271	11.83	479.83	181.00
272	10.58	490.42	187.58
273	11.00	501.42	194.58
Total Deg. Days (D) for Sept/82 =		276.00	
274	10.58	512.00	201.17
275	10.50	522.50	207.67
276	10.50	533.00	214.17
277	10.50	543.50	220.67
278	10.50	554.00	227.70

SUNNYSIDE NFLD

Station	Depth	Latitude	Longitude	Start
77E	33.0	47.85	53.92	June 22, 1982 16:30 GMT

Day Number	Mean Temp.	Deg. Day (0)	Deg. Day (4)
173	12.50	12.50	8.50
174	7.08	19.58	11.58
175	4.75	24.33	12.67
176	4.08	28.42	13.42
177	1.83	30.25	13.42
178	3.75	34.00	13.75
179	2.08	36.08	13.75
180	2.25	38.33	13.75
181	.83	39.17	13.75
Estimated Deg. Days (0) for June/82 =		117.50	
182	1.08	40.25	13.75
183	0.00	40.25	13.75
184	0.00	40.25	13.75
185	0.00	40.25	13.75
186	-.32	40.25	13.75
187	-.49	40.25	13.75
188	-.49	40.25	13.75
189	-.49	40.25	13.75
190	-.49	40.25	13.75
191	-.49	40.25	13.75
192	-.49	40.25	13.75
193	-.49	40.25	13.75
194	.08	40.42	13.75
195	0.00	40.42	13.75
196	0.00	40.42	13.75
197	.17	40.58	13.75
198	2.25	42.83	13.75
199	1.83	44.67	13.83
200	3.00	47.67	14.25
201	.50	48.17	14.25
202	.50	48.67	14.25
203	.50	49.17	14.25
204	.50	49.67	14.25
205	.50	50.17	14.25
206	.50	50.67	14.25
207	.50	51.17	14.25
208	.50	51.67	14.25
209	1.33	53.00	14.25
210	3.33	56.33	14.25
211	4.58	60.92	14.92
212	2.00	62.92	14.92
Total Deg. Days (0) for July/82 =		23.75	
213	1.50	64.42	14.92
214	2.42	66.83	14.92
215	1.50	68.33	14.92
216	1.00	69.33	14.92

SUNNYSIDE NFLD ... continued

Station	Deptn	Latitude	Longitude	Start
77E	33.0	47.65	53.92	June 22, 1982 16:30 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (4)
217	1.00	70.33	14.92
218	1.33	71.67	14.92
219	3.33	75.00	14.92
220	2.75	77.75	14.92
221	2.75	80.50	14.92
222	3.00	83.50	14.92
223	3.17	86.67	14.92
224	1.75	88.42	14.92
225	1.50	89.92	14.92
226	1.50	91.42	14.92
227	1.67	93.08	14.92
228	2.00	95.08	14.92
229	2.50	97.58	14.92
230	2.50	100.08	14.92
231	1.83	101.92	14.92
232	1.50	103.42	14.92
233	1.50	104.92	14.92
234	1.42	106.33	14.92
235	1.42	107.75	14.92
236	1.50	109.25	14.92
237	1.75	111.00	14.92
238	2.58	113.58	14.92
239	3.58	117.17	15.08
240	2.75	119.92	15.08
241	2.58	122.50	15.08
242	2.25	124.75	15.08
243	3.75	128.50	15.08

Total Deg. Days (C) for Aug/82 = 65.58

244	5.33	133.83	16.42
245	3.83	137.67	16.58
246	4.58	142.25	17.17
247	6.92	149.17	20.08
248	5.25	154.42	21.33
249	3.83	158.25	21.67
250	3.00	161.25	21.67
251	3.08	164.33	21.67
252	6.25	170.58	23.92
253	8.67	179.25	28.58
254	6.33	185.58	31.00
255	5.25	190.83	32.33
256	7.00	197.83	35.33
257	8.25	206.08	39.58
258	6.42	212.50	42.00
259	7.25	219.75	45.25
260	9.75	229.50	51.00
261	10.00	239.50	57.00
262	10.00	249.50	63.00
263	10.00	259.50	69.00

SUNNYSIDE NFLD ... continued

Station	Depth	Latitude	Longitude	Start
77E	33.0	47.85	53.92	June 22, 1982 16:30 GMT

Day Number	Mean Temp.	Deg. Day (0)	Deg. Day (4)
264	9.17	268.67	74.17
265	8.25	276.92	78.42
266	10.00	286.92	84.42
267	8.75	295.67	89.17
268	5.50	301.17	90.92
269	7.33	308.50	94.25
270	7.92	316.42	98.17
271	8.17	324.58	102.33
272	7.33	331.92	105.67
273	9.08	341.00	110.75
Total Deg. Days (0) for Sept/82 =		212.50	
274	9.42	350.42	116.17
275	9.08	359.50	121.25
276	9.50	369.00	126.75
277	9.50	378.50	132.25
278	9.50	388.00	137.75
279	9.50	397.50	143.25

LOGY BAY NFLD

Station	Depth	Latitude	Longitude	Start
78A	35.0	47.58	52.67	Aug 30, 1981 13:00 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
242	21.00	21.00	18.33
243	10.75	31.75	25.08
244	5.92	37.67	27.00
245	4.33	42.00	27.58
246	6.33	48.33	29.92
247	5.00	53.33	31.08
248	5.83	59.17	32.92
249	5.08	64.25	34.00
250	5.08	69.33	35.08
251	5.33	74.67	36.42
252	5.17	79.83	37.58
253	5.17	85.00	38.75
254	3.92	88.92	38.75
255	6.33	95.25	41.17
256	7.08	102.33	44.25
257	7.50	109.83	47.75
258	6.33	116.17	50.08
259	4.33	120.50	50.67
260	3.58	124.08	50.67
261	4.50	128.58	51.25
262	3.25	131.83	51.25
263	4.67	136.50	53.33
264	6.75	143.25	56.08
265	4.75	148.00	57.17
266	7.00	155.00	60.17
267	3.83	158.83	60.67
268	5.25	164.08	62.25
269	6.42	170.50	64.67
270	4.92	175.42	65.92
271	7.17	182.58	69.08
272	3.17	185.75	69.08
273	5.75	191.50	71.00

Total Deg. Days (C) for Sept/81 = 159.75

274	7.67	199.17	74.67
275	9.50	208.67	80.17
276	5.83	214.50	82.08
277	7.42	221.92	85.50
278	8.08	230.00	89.58
279	8.33	238.33	93.92
280	8.58	246.92	98.50
281	8.50	255.42	103.00
282	7.92	263.33	106.92
283	7.58	270.92	110.50
284	6.92	277.83	113.42
285	6.75	284.58	116.17
286	5.33	289.92	117.50
287	6.67	296.58	120.17
288	6.08	302.67	122.25

LOGY BAY NFLD ... continued

Station	Deptn	Latitude	Longitude	Start
78A	35.0	47.58	52.67	Aug 30, 1981 13:00 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
289	6.17	308.83	124.42
290	7.00	315.83	127.42
291	6.67	322.50	130.08
292	6.50	329.00	132.58
293	7.00	336.00	135.58
294	7.25	343.25	138.83
295	7.92	351.17	142.75
296	7.75	358.92	146.50
297	7.08	366.00	149.58
298	6.92	372.92	152.50
299	6.83	379.75	155.33
300	7.00	386.75	158.33
301	7.00	393.75	161.33
302	6.58	400.33	163.92
303	7.00	407.33	166.92
304	6.50	413.83	169.42
Total Deg. Days (C) for Oct/81 =		222.33	
305	5.75	419.58	171.17
306	6.08	425.67	173.25
307	6.67	432.33	175.92
308	6.50	438.83	178.42
309	6.00	444.83	180.42
310	6.00	450.83	182.42
311	6.00	456.83	184.42
312	6.00	462.83	186.42
313	6.00	468.83	188.42
314	6.00	474.83	190.42
315	6.00	480.83	192.42
316	5.25	486.08	193.67
317	5.58	491.67	195.25
318	5.50	497.17	196.75
319	5.83	503.00	198.58
320	3.58	506.58	198.58
321	4.75	511.33	199.42
322	5.50	516.83	200.92
323	4.83	521.67	201.75
324	5.17	526.83	202.92
325	4.58	531.42	203.50
326	4.25	535.67	203.75
327	4.58	540.25	204.33
328	4.75	545.00	205.08
329	4.08	549.08	205.42
330	3.50	552.58	205.42
331	3.58	556.17	205.42
332	4.00	560.17	205.42
333	4.00	564.17	205.42
334	4.08	568.25	205.50
Total Deg. Days (C) for Nov/81 =		454.42	

LOGY BAY NFLD ...c continued

Station	Depth	Latitude	Longitude	Start
78A	35.0	47.58	52.67	Aug 30, 1981 13:00 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
335	4.17	572.42	206.67
336	4.00	576.42	206.67
337	4.00	580.42	206.67
338	4.00	584.42	206.67
339	4.00	588.42	206.67
340	4.42	592.83	206.08
341	4.17	597.00	206.25
342	3.50	600.50	206.25
343	3.75	604.25	206.25
344	3.58	607.83	206.25
345	3.50	611.33	206.25
346	3.50	614.83	206.25
347	3.50	618.33	206.25
348	3.50	621.83	206.25
349	3.50	625.33	206.25
350	3.50	628.83	206.25
351	3.92	632.75	206.25
352	4.00	636.75	206.25
353	4.00	640.75	206.25
354	3.92	644.67	206.25
355	3.33	648.00	206.25
356	3.25	651.25	206.25
357	3.50	654.75	206.25
358	3.50	658.25	206.25
359	3.00	661.25	206.25
360	3.00	664.25	206.25
361	3.00	667.25	206.25
362	3.00	670.25	206.25
363	3.00	673.25	206.25
364	3.00	676.25	206.25
365	3.00	679.25	206.25

Total Deg. Days (C) for Dec/81 = 111.00

1	3.00	682.25	206.25
2	2.75	685.00	206.25
3	2.42	687.42	206.25
4	2.00	689.42	206.25
5	2.00	691.42	206.25
6	2.00	693.42	206.25
7	2.00	695.42	206.25
8	2.00	697.42	206.25
9	2.00	699.42	206.25
10	1.75	701.17	206.25
11	1.67	702.83	206.25
12	2.00	704.83	206.25
13	1.83	706.67	206.25
14	1.50	708.17	206.25
15	1.50	709.67	206.25
16	1.50	711.17	206.25

LOGY BAY NFLD ... continued

Station	Depth	Latitude	Longitude	Start
78A	35.3	47.58	52.07	Aug 30, 1981 13:00 GMT

Day Number	Mean Temp.	Deg. Day (3)	Deg. Day (4)
17	1.50	712.67	206.25
18	1.50	714.17	206.25
19	1.50	715.67	206.25
20	1.33	717.00	206.25
21	1.08	718.08	206.25
22	1.50	719.58	206.25
23	1.50	721.08	206.25
24	1.08	722.17	206.25
25	1.00	723.17	206.25
26	1.00	724.17	206.25
27	1.00	725.17	206.25
28	1.00	726.17	206.25
29	.50	726.67	206.25
30	.50	727.17	206.25
31	.50	727.67	206.25

Total Deg. Days (3) for Jan/82 = 48.42

32	.50	728.17	206.25
33	.50	728.67	206.25
34	.50	729.17	206.25
35	.50	729.67	206.25
36	.50	730.17	206.25
37	.50	730.67	206.25
38	.50	731.17	206.25
39	.50	731.67	206.25
40	.50	732.17	206.25
41	.50	732.67	206.25
42	.50	733.17	206.25
43	.50	733.67	206.25
44	.50	734.17	206.25
45	.08	734.25	206.25
46	0.00	734.25	206.25
47	0.00	734.25	206.25
48	-.32	734.25	206.25
49	-.49	734.25	206.25
50	-.49	734.25	206.25
51	-.49	734.25	206.25
52	-.49	734.25	206.25
53	-.49	734.25	206.25
54	-.99	734.25	206.25
55	-.99	734.25	206.25
56	-.99	734.25	206.25
57	-.99	733.92	205.58

Estimated Deg. Days (3) for Feb/82 = 6.73

LOGY BAY NFLD

Station	Depth	Latitude	Longitude	Start
788	35.0	47.58	52.67	May 27, 1982 00:00 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
147	2.70	2.70	.32
148	1.92	4.62	.32
149	.83	5.45	.32
150	2.42	7.87	.32
151	1.08	8.95	.32
152	1.83	10.78	.32
153	1.50	12.28	.32
154	1.25	13.53	.32
155	2.67	16.20	.32
156	2.42	18.62	.32
157	2.75	21.37	.32
158	2.67	24.03	.32
159	2.33	26.37	.32
160	2.75	29.12	.32
161	3.17	32.28	.32
162	1.92	34.20	.32
163	1.50	35.70	.32
164	2.08	37.78	.32
165	2.00	39.78	.32
166	1.00	40.78	.32
167	1.25	42.03	.32
168	.67	42.70	.32
169	.50	43.20	.32
170	1.92	45.12	.32
171	2.83	47.95	.32
172	3.00	50.95	.32
173	.17	51.28	.32
174	3.58	54.87	.48
175	3.00	57.87	.48
176	3.42	61.28	.65
177	3.42	64.70	1.32
178	2.58	67.28	1.32
179	2.50	69.78	1.32
180	1.33	71.12	1.32
181	1.25	72.37	1.32

Total Deg. Days (C) for June/82 = 63.42

182	2.17	74.53	1.32
183	1.50	76.03	1.32
184	1.83	77.87	1.32
185	2.92	80.78	1.32
186	1.92	82.70	1.32
187	2.25	84.95	1.32
188	3.83	88.78	1.57
189	3.17	91.95	1.65
190	2.33	94.28	1.65
191	4.42	98.70	2.23
192	4.25	102.95	2.90
193	1.25	104.20	2.90

LOGY BAY NFLD ... continued

Station	Depth	Latitude	Longitude	Start
788	35.0	47.58	52.67	May 27, 1982 00:00 GMT

Day Number	Mean Temp.	Deg. Day (I)	Deg. Day (A)
194	.67	104.67	2.90
195	1.58	106.45	2.90
196	2.83	109.28	2.90
197	.50	109.78	2.90
198	.92	110.70	2.90
199	1.83	112.53	2.90
200	2.92	115.45	2.90
201	3.50	118.95	2.98
202	2.50	121.45	2.98
203	.92	122.37	2.98
204	0.00	122.37	2.98
205	2.17	124.53	3.07
206	1.42	125.95	3.07
207	2.33	128.28	3.40
208	4.25	132.53	4.15
209	2.33	134.87	4.05
210	0.00	134.87	4.05
211	2.75	137.62	5.15
212	3.50	141.12	5.48

Total Deg. Days (D) for July/82 = 68.75

213	1.17	142.28	5.48
214	1.17	143.45	5.48
215	2.08	145.53	5.48
216	.83	146.37	5.48
217	1.17	147.53	5.48
218	1.42	148.95	5.48
219	2.25	151.20	5.48
220	2.83	154.03	5.48
221	2.33	156.37	5.48
222	1.83	158.20	5.48
223	1.75	159.95	5.48
224	2.58	162.53	5.48
225	1.58	164.12	5.48
226	1.42	165.53	5.48
227	3.67	169.20	5.57
228	3.00	172.20	5.57
229	3.08	175.28	5.57
230	2.42	177.70	5.57
231	2.92	180.62	5.57
232	1.25	181.87	5.57
233	2.58	184.45	5.57
234	3.00	187.45	5.57
235	1.75	189.20	5.57
236	1.50	190.70	5.57
237	1.33	192.03	5.57
238	1.42	193.45	5.82
239	2.83	196.28	5.82
240	1.58	197.87	

LOGY BAY NFLD ...continued

Station	Depth	Latitude	Longitude	Start
788	35.0	47.58	52.67	May 27, 1982 00:00 GMT

Day Number	Mean Temp.	Deg. Day (0)	Deg. Day (4)
241	1.175	199.62	5.90
242	.08	199.70	5.90
243	.75	200.45	5.90
Total Deg. Days (0) for Aug/82 =		59.33	
244	1.175	202.20	5.90
245	1.50	203.70	5.90
246	1.33	205.03	5.90
247	3.25	208.28	5.90
248	3.50	211.78	5.90
249	2.25	214.03	5.90
250	5.42	219.45	8.07
251	3.08	222.53	8.57
252	6.50	229.03	11.23
253	5.92	234.95	13.15
254	5.42	240.37	14.82
255	3.33	243.70	15.15
256	5.92	249.62	17.48
257	6.08	255.70	19.57
258	6.67	262.37	22.23
259	4.83	267.20	23.23
260	7.33	274.53	26.57
261	7.33	281.87	29.90
262	2.58	284.45	30.07
263	7.92	292.37	33.98
264	6.42	298.78	36.40
265	6.17	304.95	38.73
266	7.58	312.53	42.32
267	6.83	319.37	45.15
268	7.58	326.95	48.73
269	4.17	331.12	49.23
270	6.17	337.28	51.40
271	6.25	343.53	53.65
272	7.42	350.95	57.07
273	7.17	358.12	60.23
Total Deg. Days (0) for Sept/82 =		157.57	
274	8.00	366.12	64.23
275	10.00	376.12	70.23
276	9.83	385.95	76.07
277	7.75	393.70	79.82
278	8.83	402.53	84.65
279	8.42	410.95	89.07
280	7.92	418.87	92.98
281	8.00	426.87	96.98
282	7.92	434.78	100.90
283	7.50	442.28	104.40
284	7.17	449.45	107.57

LOGY BAY NFLD ... continued

Station	Deptn	Latitude	Longitude	Start
788	35.0	47.58	52.67	May 27, 1982 00:00 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
285	7.42	456.87	110.98
286	7.50	464.37	114.48
287	7.133	471.70	117.62
288	6.50	478.20	120.32
289	7.67	485.87	123.98
290	6.75	492.62	126.73
291	7.50	500.12	131.57

Estimated Deg. Days (C) for Oct/82 = 244.56

HOLYROOD NFLD

Station	Depth	Latitude	Longitude	Start
79A	12.0	47.42	53.17	Nov 30, 1980 19:00 GMT

Day Number	Mean Temp.	Deg. Day (0)	Deg. Day (4)
335	2.50	2.50	0.00
336	2.50	5.00	0.00
337	2.50	7.50	0.00
338	2.08	9.58	0.00
339	2.00	11.58	0.00
340	2.00	13.58	0.00
341	2.00	15.58	0.00
342	1.42	17.00	0.00
343	1.00	18.00	0.00
344	1.00	19.00	0.00
345	1.00	20.00	0.00
346	1.00	21.00	0.00
347	1.00	22.00	0.00
348	1.00	23.00	0.00
349	1.00	24.00	0.00
350	1.00	25.00	0.00
351	1.00	26.00	0.00
352	1.00	27.00	0.00
353	1.00	28.00	0.00
354	1.00	29.00	0.00
355	1.00	30.00	0.00
356	.25	30.25	0.00
357	0.00	30.25	0.00
358	0.00	30.25	0.00
359	0.00	30.25	0.00
360	0.00	30.25	0.00
361	0.00	30.25	0.00
362	0.00	30.25	0.00
363	0.00	30.25	0.00
364	0.00	30.25	0.00
365	0.00	30.25	0.00
366	0.00	30.25	0.00

Total Deg. Days (0) for Dec/80 = 27.75

1	0.00	30.25	0.00
2	0.00	30.25	0.00
3	0.00	30.25	0.00
4	0.00	30.25	0.00
5	0.00	30.25	0.00
6	-.07	30.25	0.00
7	-.49	30.25	0.00
8	-.49	30.25	0.00
9	-.49	30.25	0.00
10	-.49	30.25	0.00
11	-.49	30.25	0.00
12	-.57	30.25	0.00
13	-.99	30.25	0.00
14	-.99	30.25	0.00
15	-1.07	30.25	0.00

HOLYROOD NFLD ...continued

Station	Depth	Latitude	Longitude	Start
79A	12.0	47.42	53.17	Nov 30, 1980 19:00 GMT

Day Number	Mean Temp.	Deg. Day (5)	Deg. Day (4)
16	-1.82	30.25	0.00
17	-1.99	30.25	0.00
18	-1.99	30.25	0.00
19	-1.99	30.25	0.00
20	-1.99	30.25	0.00
21	-1.99	30.25	0.00
22	-1.99	30.25	0.00
23	-1.99	30.25	0.00
24	-1.99	30.25	0.00
25	-1.99	30.25	0.00
26	-2.32	30.25	0.00
27	-2.49	30.25	0.00
28	-2.49	30.25	0.00
29	-2.49	30.25	0.00

HOLYROOD NFLD

Station	Depth	Latitude	Longitude	Start
798	10.0	47.42	53.17	June 4, 1981 02:00 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
155	1.00	1.00	0.00
156	4.50	5.50	0.00
157	2.33	7.83	0.00
158	1.08	8.92	0.00
159	1.50	10.42	0.00
160	3.00	13.42	0.00
161	4.67	18.08	1.45
162	5.00	23.08	2.45
163	5.00	28.08	3.45
164	5.00	33.08	4.45
165	5.00	38.08	5.45
166	4.67	42.75	6.12
167	5.08	47.83	7.20
168	5.67	53.50	8.87
169	6.00	59.50	10.87
170	6.08	65.58	12.95
171	4.92	70.50	13.87
172	4.25	74.75	14.45
173	2.25	77.00	14.45
174	3.33	80.33	14.45
175	4.33	84.67	14.87
176	4.33	89.00	15.20
177	4.00	93.00	15.20
178	3.33	96.33	15.20
179	5.25	101.58	16.45
180	6.50	108.08	18.95
181	5.00	113.08	19.95

Estimated Deg. Days (C) for June/81 = 121.16

182	5.33	118.42	21.28
183	7.42	125.83	24.70
184	4.83	130.67	25.53
185	4.00	134.67	25.62
186	6.42	141.08	28.03
187	7.17	148.25	31.20
188	6.00	154.25	33.20
189	6.08	160.33	35.28
190	7.00	167.33	38.28
191	7.67	175.00	41.95
192	8.00	183.00	45.95
193	8.00	191.00	49.95
194	8.00	199.00	53.95
195	6.25	205.25	56.20
196	2.67	207.92	56.20
197	2.58	210.50	56.20
198	3.33	213.83	56.20
199	5.08	218.92	57.28
200	6.33	225.25	59.62
201	5.83	231.08	61.45

HOLYROOD NFLD ... continued

Station	Depth	Latitude	Longitude	Start
798	10.0	47.42	53.17	June 4, 1981 02:00 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
202	8.58	239.67	60.03
203	6.42	246.08	68.45
204	5.17	251.25	69.62
205	7.08	258.33	72.70
206	8.17	266.50	76.87
207	8.00	274.50	80.87
208	6.00	280.50	82.67
209	5.25	285.75	84.12
210	6.08	291.83	86.20
211	6.17	298.00	88.37
212	8.50	306.50	92.87
Total Deg. Days (C) for July/81 =		193.42	
213	8.50	315.00	97.37
214	6.17	321.17	99.53
215	5.33	326.50	100.87
216	4.67	331.17	101.53
217	10.50	341.67	108.03
218	12.00	353.67	115.03
219	12.00	365.67	124.03
220	12.00	377.67	132.03
221	10.67	388.33	138.70
222	11.58	399.92	146.28
223	12.00	411.92	154.28
224	10.58	422.50	160.87
225	7.42	429.92	164.28
226	7.92	437.83	166.20
227	8.50	446.33	172.70
228	8.58	454.92	177.28
229	8.25	463.17	181.53
230	8.00	471.17	185.53
231	9.67	480.83	191.20
232	10.50	491.33	197.70
233	11.42	502.75	205.12
234	12.00	514.75	213.12
235	11.83	526.58	220.95
236	11.75	538.33	228.70
237	12.00	550.33	236.70
238	12.00	562.33	244.70
239	11.92	574.25	252.62
240	12.92	587.17	261.53
241	12.83	600.00	270.37
242	12.50	612.50	278.87
243	12.50	625.00	287.37
Total Deg. Days (C) for Aug/81 =		318.50	
244	12.83	637.83	296.20
245	13.50	651.33	305.70

HOLYROOD NFLD ... continued

Station	Depth	Latitude	Longitude	Start
798	10.0	47.42	53.17	June 4, 1981 02:00 GMT

Day Number	Mean Temp.	Deg. Day (3)	Deg. Day (4)
246	13.50	664.83	315.20
247	13.50	678.33	324.70
248	13.33	691.67	334.03

HOLYROOD NFLD

Station	Depth	Latitude	Longitude	Start
79C	12.0	47.42	53.17	Sept 7, 1981 13:00 GMT

Day Number	Mean Temp.	Deg. Day (0)	Deg. Day (4)
250	15.00	15.00	12.33
251	15.00	30.00	23.33
252	14.75	44.75	34.00
253	14.50	59.25	44.58
254	14.08	73.33	54.67
255	14.00	87.33	64.67
256	14.00	101.33	74.67
257	14.00	115.33	84.67
258	14.00	129.33	94.67
259	14.00	143.33	104.67
260	14.00	157.33	114.67
261	14.00	171.33	124.67
262	14.00	185.33	134.67
263	11.00	196.33	141.67
264	2.75	199.08	141.83
265	2.25	201.33	141.83
266	6.25	207.58	144.08
267	8.83	216.42	148.42
268	9.83	226.25	154.75
269	10.00	236.25	160.75
270	10.00	246.25	166.75
271	10.00	256.25	172.75
272	10.00	266.25	178.75
273	9.42	275.67	184.17

Estimated Deg. Days (0) for Sept/81 = 330.30

274	8.83	284.50	189.00
275	8.50	293.00	193.50
276	9.00	302.00	198.50
277	8.58	310.58	203.08
278	7.58	318.17	206.67
279	7.50	325.67	210.17
280	7.67	333.33	213.83
281	8.00	341.33	217.83
282	8.00	349.33	221.83
283	8.08	357.42	225.92
284	8.50	365.92	230.42
285	8.50	374.42	234.92
286	8.50	382.92	239.42
287	8.50	391.42	243.92
288	8.50	399.92	248.42
289	8.50	408.42	252.92
290	8.50	416.92	257.42
291	8.50	425.42	261.92
292	8.50	433.92	266.42
293	8.08	442.00	270.50
294	8.00	450.00	274.50
295	8.00	458.00	278.50
296	8.00	466.00	282.50

HOLYROOD NFLD ... continued

Station	Depth	Latitude	Longitude	Start
79C	12.0	47.42	53.17	Sept 7, 1981 13:00 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
297	8.00	474.00	286.50
298	6.50	480.50	289.00
299	7.00	487.50	292.00
300	7.50	495.00	295.50
301	7.50	502.50	299.00
302	7.50	510.00	302.50
303	7.50	517.50	306.00
304	7.50	525.00	309.50
Total Deg. Days (C) for Oct/81 = 249.33			
305	7.50	532.50	313.00
306	7.50	540.00	316.50
307	7.00	547.00	319.50
308	7.00	554.00	322.50
309	7.00	561.00	325.50
310	7.00	568.00	328.50
311	6.83	574.83	331.33
312	6.00	580.83	331.83
313	3.17	582.00	331.83
314	3.67	585.67	331.83
315	4.00	589.67	331.83
316	4.00	593.67	331.83
317	4.50	598.17	332.33
318	4.67	602.83	333.00
319	4.92	607.75	333.92
320	4.58	612.33	334.50
321	5.00	617.33	335.50
322	5.00	622.33	336.50
323	5.00	627.33	337.50
324	5.00	632.33	338.50
325	5.00	637.33	339.50
326	5.00	642.33	340.50
327	5.00	647.33	341.50
328	5.00	652.33	342.50
329	5.00	657.33	343.50
330	5.00	662.33	344.50
331	5.00	667.33	345.50
332	5.00	672.33	346.50
333	5.00	677.33	347.50
334	4.67	682.00	348.17
Total Deg. Days (C) for Nov/81 = 157.00			
335	4.50	686.50	348.67
336	4.50	691.00	349.17
337	4.50	695.50	349.67
338	4.50	700.00	350.17
339	4.50	704.50	350.67
340	4.50	709.00	351.17

HOLYROOD NFLD ... continued

Station	Deptn	Latitude	Longitude	Start
79C	12.3	47.42	53.17	Sept 7, 1981 13:00 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
341	4.50	713.50	351.67
342	4.50	718.00	352.17
343	4.50	722.50	352.67
344	4.50	727.00	353.17
345	4.50	731.50	353.67
346	4.50	736.00	354.17
347	4.50	740.50	354.67
348	4.50	745.00	355.17
349	4.50	749.50	355.67
350	4.42	753.92	356.08
351	3.33	757.25	356.08
352	2.67	759.92	356.08
353	2.50	762.42	356.08
354	2.50	764.92	356.08
355	2.50	767.42	356.08
356	2.50	769.92	356.08
357	2.50	772.42	356.08
358	2.50	774.92	356.08
359	2.50	777.42	356.08
360	2.50	779.92	356.08
361	2.50	782.42	356.08
362	2.42	784.83	356.08
363	1.58	786.42	356.08
364	2.00	788.42	356.08
365	1.83	790.25	356.08

Total Deg. Days (C) for Dec/81 = 108.25

1	1.00	791.25	356.08
2	1.50	792.75	356.08
3	1.50	794.25	356.08
4	1.50	795.75	356.08
5	1.50	797.25	356.08
6	1.50	798.75	356.08
7	1.50	800.25	356.08
8	1.50	801.75	356.08
9	1.50	803.25	356.08
10	1.50	804.75	356.08
11	1.17	805.92	356.08
12	1.00	806.92	356.08
13	1.00	807.92	356.08
14	1.00	808.92	356.08
15	.42	809.33	356.08
16	.33	809.67	356.08
17	.50	810.17	356.08
18	.50	810.67	356.08
19	.08	810.75	356.08
20	0.00	810.75	356.08
21	.33	811.08	356.08
22	.25	811.33	356.08

HOLYROOD NFLD ... continued

Station	Depth	Latitude	Longitude	Start
79C	12.0	47.42	53.17	Sept 7, 1981 13:00 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
23	0.00	811.33	356.08
24	0.00	811.33	356.08
25	0.00	811.33	356.08
26	0.00	811.33	356.08
27	0.00	811.33	356.08
28	-.49	811.33	356.08
29	-.49	811.33	356.08
30	-.49	811.33	356.08
31	-.49	811.33	356.08
Total Deg. Days (C) for Jan/82 =		21.08	
32	-.49	811.33	356.08
33	-.49	811.33	356.08
34	-.49	811.33	356.08
35	-.49	811.33	356.08
36	-.49	811.33	356.08

HOLYROOD #FLD

Station	Depth	Latitude	Longitude	Start
790	30.0	47.42	53.17	May 20, 1982 17:30 GMT

Day Number	Mean Temp.	Dege. Day (3)	Dege. Day (4)
140	4.00	4.00	0.00
141	3.00	7.00	0.00
142	3.00	10.00	0.00
143	3.00	13.00	0.00
144	2.75	15.75	0.00
145	1.25	17.00	0.00
146	2.17	19.17	0.00
147	3.58	22.75	0.00
148	4.00	26.75	0.00
149	4.08	30.83	.08
150	4.42	35.25	.50
151	4.17	39.42	.67

Estimated Dege. Days (3) for May/82 = 93.99

152	4.50	43.92	1.17
153	3.83	47.75	1.42
154	3.00	50.75	1.42
155	3.92	54.67	1.42
156	2.67	57.33	1.42
157	3.83	61.17	1.50
158	5.08	66.25	2.67
159	6.00	72.33	4.75
160	6.50	78.83	7.25
161	6.50	85.33	9.75
162	6.50	91.83	12.25
163	6.67	98.50	14.92
164	8.00	106.50	18.92
165	6.67	113.17	21.50
166	5.33	118.50	22.92
167	5.58	124.08	24.50
168	6.17	130.25	26.67
169	7.17	137.42	29.03
170	7.08	144.50	32.92
171	6.33	150.83	35.25
172	6.50	157.33	37.75
173	6.50	163.83	40.25
174	6.50	170.33	42.75
175	6.50	176.83	44.75
176	6.00	182.33	46.75
177	6.00	188.33	48.75
178	6.08	194.42	50.83
179	6.75	201.17	53.50
180	6.58	207.75	56.17
181	4.75	212.50	58.92

Total Dege. Days (3) for June/82 = 173.08

HOLYROOD AFLD ... continued

Station	Depth	Latitude	Longitude	Start
790	30.0	47.42	53.17	May 20, 1982 17:30 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
182	3.92	210.42	56.92
183	3.50	213.92	56.92
184	2.00	221.92	56.92
185	4.42	223.92	56.92
186	5.00	229.00	56.17
187	4.33	233.33	58.50
188	4.00	237.33	58.50
189	4.50	241.83	59.00
190	4.25	246.08	59.25
191	4.17	250.25	59.42
192	5.00	255.25	60.42
193	6.33	261.58	62.75
194	6.75	268.33	65.50
195	5.50	273.83	67.00
196	5.25	279.08	69.25
197	5.92	285.00	71.17
198	10.00	295.00	80.17
199	6.92	301.92	83.00
200	4.00	305.92	83.08
201	4.00	309.92	83.08
202	5.33	315.25	83.25
203	9.25	324.50	88.50
204	8.17	332.67	92.67
205	5.92	338.58	95.58
206	7.67	346.25	99.25
207	6.92	353.17	101.67
208	8.33	361.50	106.00
209	10.83	372.33	112.83
210	7.83	380.17	116.67
211	6.33	386.50	119.00
212	8.00	394.50	123.00

Total Deg. Days (C) for July/82 = 165.00

213	5.25	402.75	124.25
214	3.50	406.25	124.42
215	7.42	413.67	127.83
216	9.50	423.17	133.33
217	12.08	435.25	141.42
218	11.25	446.50	150.67
219	8.08	454.58	152.75
220	7.25	461.83	155.00
221	8.25	470.08	160.25
222	6.92	477.00	163.17
223	5.17	482.17	164.33
224	4.58	486.75	166.92
225	8.33	497.08	171.25
226	8.33	505.42	175.58
227	9.50	514.92	181.08
228	8.17	523.08	185.25
229	7.33	530.42	188.58
230	6.75	537.17	191.33
231	8.83	546.00	196.17

HOLYROOD (FLD ...) continued

Station	Depth	Latitude	Longitude	Start
79D	30.0	47.42	53.17	May 20, 1982 17:30 GMT

Day Number	Mean Temp.	Degr. Day (J)	Degr. Day (A)
232	8.17	504.17	200.83
233	7.50	501.67	208.33
234	7.92	509.58	207.75
235	9.00	518.58	212.75
236	9.42	528.00	218.17
237	9.00	537.00	223.17
238	7.92	544.92	227.00
239	6.92	551.83	230.00
240	5.75	557.58	230.25
241	6.08	563.67	232.33
242	5.75	569.42	237.00
243	6.75	576.17	239.83

Total Degr. Days (J) for Aug/82 = 259.17

244	6.42	583.58	242.25
245	7.00	590.58	245.25
246	7.00	597.58	248.25
247	7.00	604.58	251.25
248	7.00	611.58	254.25
249	6.08	619.67	258.33
250	9.83	629.50	264.17
251	10.00	639.50	270.17
252	10.75	650.25	276.92
253	11.00	661.25	283.92
254	11.17	672.42	291.08
255	12.00	684.42	299.00
256	12.00	696.42	307.00
257	11.83	708.25	314.92
258	11.92	720.17	322.83
259	12.00	732.17	330.83
260	12.00	744.17	338.83
261	12.00	756.17	346.83
262	12.00	768.17	354.83
263	12.00	780.17	362.83
264	12.00	792.17	370.83
265	12.00	804.17	378.83
266	12.00	816.17	386.83
267	11.17	827.33	394.00
268	12.00	839.33	402.00
269	12.00	851.33	410.00
270	12.00	863.33	418.00
271	12.00	875.33	426.00
272	12.00	887.33	434.00
273	12.00	899.33	442.00

Total Degr. Days (J) for Sept/82 = 322.17

HOLYROOD NFLD ... continued

Station	Depth	Latitude	Longitude	Start
79D	30.0	47.42	53.17	May 20, 1982 17:30 GMT

Day Number	Mean Temp.	Deg. Day (0)	Deg. Day (4)
274	12.00	971.33	450.00
275	12.00	983.33	458.00
276	12.00	995.33	466.00
277	12.00	1007.33	474.00
278	12.00	1019.33	482.00
279	11.58	1030.92	489.58
280	11.50	1042.42	497.08
281	11.50	1053.92	504.58
282	11.08	1065.00	511.67
283	10.58	1075.58	518.25
284	10.67	1086.25	524.92
285	10.67	1096.92	531.58
286	10.50	1107.42	538.08
287	10.42	1117.83	544.50
288	10.00	1127.83	550.50
289	10.00	1137.83	556.50
290	9.75	1147.58	562.25
291	9.50	1157.08	567.75
292	9.50	1166.58	573.25
293	8.58	1175.17	577.83
294	7.67	1182.83	581.50
295	8.92	1191.75	586.42
296	9.00	1200.75	591.42
297	9.00	1209.75	596.42
298	9.00	1218.75	601.42
299	9.00	1227.75	606.42
300	8.83	1236.58	611.25
301	8.50	1245.08	615.75
302	8.50	1253.58	620.25
303	8.00	1261.58	624.25
304	8.00	1269.58	628.25

Total Deg. Days (0) for Oct/82 = 310.25

305	8.00	1277.58	632.25
306	7.83	1285.42	636.08
307	7.50	1292.92	639.58
308	7.50	1300.42	643.08
309	7.50	1307.92	646.58
310	7.50	1315.42	650.08
311	7.50	1322.92	653.58
312	7.50	1330.42	657.08
313	7.33	1337.75	660.42
314	7.00	1344.75	663.42
315	7.00	1351.75	667.75

Estimated Deg. Days (0) for Nov/82 = 224.09

HOLYROOD NFLD

Station	Deptn	Latitude	Longitude	Start
79E	10.0	47.42	53.17	July 13, 1982 18:00 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
194	7.00	7.00	3.00
195	5.58	12.58	4.58
196	6.25	18.83	6.83
197	8.75	27.58	11.58
198	10.00	37.58	17.58
199	7.50	45.08	21.08
200	4.42	49.50	21.50
201	4.00	53.50	21.58
202	3.75	57.25	21.67
203	8.42	65.67	26.08
204	8.58	74.25	30.67
205	6.75	81.00	33.42
206	7.50	88.50	36.92
207	6.67	95.17	39.58
208	8.00	103.17	43.58
209	10.83	114.00	50.42
210	8.83	122.83	55.25
211	5.75	128.58	57.00
212	8.33	136.92	61.33

Estimated Deg. Days (C) for July/82 = 212.22

213	5.58	142.50	62.92
214	3.58	146.08	63.08
215	7.08	153.17	66.17
216	9.33	162.50	71.50
217	11.92	174.42	79.42
218	11.83	186.25	87.25
219	8.42	194.67	91.67
220	7.42	202.08	95.08
221	8.33	210.42	99.42
222	7.33	217.75	102.75
223	5.25	223.00	104.00
224	6.42	229.42	106.42
225	8.42	237.83	110.83
226	8.33	246.17	115.17
227	9.67	255.83	120.83
228	8.25	264.08	125.08
229	7.42	271.50	128.50
230	6.83	278.33	131.33
231	9.00	287.33	136.33
232	8.33	295.67	140.67
233	7.67	303.33	144.33
234	8.08	311.42	148.42
235	9.08	320.50	153.50
236	9.50	330.00	159.00
237	9.00	339.00	164.00
238	8.08	347.08	168.08
239	7.75	354.83	171.83
240	3.83	358.67	172.17

HOLYROOD NFLD ... continued

Station	Deptn	Latitude	Longitude	Start
79E	10.0	47.42	53.17	July 13, 1982 18:00 GMT

Day Number	Mean Temp.	Deg. Day (J)	Deg. Day (A)
241	6.08	304.75	174.25
242	8.58	373.33	178.83
243	6.83	380.17	181.67
Total Deg. Days (J) for Aug/82 =		243.25	
244	6.42	386.58	184.08
245	7.50	394.08	187.58
246	7.00	401.08	190.58
247	7.17	408.25	193.75
248	7.08	415.33	196.83
249	7.92	423.25	200.75
250	9.83	433.08	206.58
251	10.00	443.08	212.58
252	10.75	453.83	219.33
253	11.00	464.83	226.33
254	11.25	476.08	233.58
255	12.00	488.08	241.58
256	12.00	500.08	249.58
257	11.67	511.75	257.25
258	11.92	523.67	265.17
259	12.00	535.67	273.17
260	12.00	547.67	281.17
261	12.00	559.67	289.17
262	12.00	571.67	297.17
263	12.00	583.67	305.17
264	12.00	595.67	313.17
265	12.00	607.67	321.17
266	12.00	619.67	329.17
267	11.08	630.75	336.25
268	11.92	642.67	344.17
269	12.00	654.67	352.17
270	12.00	666.67	360.17
271	12.00	678.67	368.17
272	12.00	690.67	376.17
273	12.00	702.67	384.17
Total Deg. Days (J) for Sept/82 =		322.50	
274	12.00	714.67	392.17
275	12.00	726.67	400.17
276	11.67	738.33	407.83
277	11.50	749.83	415.33
278	11.50	761.33	422.83
279	11.50	772.83	430.33
280	11.50	784.33	437.83
281	11.25	795.58	445.08
282	11.00	806.58	452.08
283	10.75	817.33	458.83
284	10.67	828.00	465.50

HOLYROOD AFLD ... continued

Station	Depth	Latitude	Longitude	Start
79E	10.0	47.42	53.17	July 13, 1962 18:00 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
285	10.167	838.67	472.17
286	10.175	849.42	478.92
287	10.17	859.58	485.08
288	10.00	869.58	491.08
289	10.00	879.58	497.08
290	9.83	889.42	502.92
291	9.50	898.92	508.42
292	9.50	908.42	513.92
293	8.42	916.83	518.33
294	7.50	924.33	521.83
295	8.75	933.08	526.58
296	9.100	942.08	531.58
297	9.00	951.08	536.58
298	9.00	960.08	541.58
299	8.92	969.00	546.50
300	8.50	977.50	551.00
301	8.00	985.50	555.00
302	8.00	993.50	559.00
303	8.100	1001.50	563.00
304	8.100	1009.50	567.00

Total Deg. Days (C) for Oct/82 = 306.33

305	8.100	1017.50	571.00
306	8.100	1025.50	575.00
307	8.00	1033.50	579.00
308	7.75	1041.25	582.75
309	7.150	1048.75	586.25
310	7.50	1056.25	589.75
311	7.150	1063.75	593.25
312	7.50	1071.25	596.75
313	7.42	1078.67	600.17
314	7.100	1085.67	603.17
315	7.100	1092.67	606.17
316	6.58	1099.25	608.75
317	5.25	1104.50	610.00
318	5.133	1109.83	611.33
319	6.00	1115.83	613.33
320	6.00	1121.83	615.33
321	6.100	1127.83	617.33
322	6.100	1133.83	619.33
323	6.100	1139.83	621.33
324	6.00	1145.83	623.33
325	6.00	1151.83	625.33
326	5.67	1157.50	627.00
327	6.100	1163.50	629.00
328	4.58	1168.08	629.58
329	4.50	1172.58	630.08
330	4.50	1177.08	630.58
331	4.50	1181.58	631.08

HOLYROOD NFLD ... continued

Station	Depth	Latitude	Longitude	Start
79E	10.0	47.42	53.17	July 13, 1982 18:00 GMT

Day Number	Mean Temp.	Deg. Day (3)	Deg. Day (4)
332	4.50	1186.08	631.58
333	4.50	1190.58	632.08
334	4.50	1195.08	632.58
Total Deg. Days (3) for Nov/82 = 1195.08			
335	4.50	1199.58	633.08
336	4.33	1203.92	633.42
337	4.00	1207.92	633.42
338	4.00	1211.92	633.42
339	4.00	1215.92	633.42
340	4.00	1219.92	633.42
341	4.00	1223.92	633.42

ST. CROIX BAY NFLD

Station	Depth	Latitude	Longitude	Start
80	5.0	47.42	53.83	July 25, 1978 04:30 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
206	13.13	13.13	10.12
207	13.00	26.12	19.12
208	13.50	39.62	26.63
209	13.50	53.12	38.13
210	13.83	66.96	47.96
211	14.00	80.96	57.96
212	14.50	95.46	68.46
213	14.92	110.37	79.36
214	15.00	125.37	90.38
215	15.50	140.87	101.86
216	15.92	156.79	113.79
217	16.00	172.79	125.79
218	16.00	188.79	137.79
219	16.00	204.79	149.79
220	16.00	220.79	161.79
221	16.42	237.21	174.21
222	16.50	253.71	186.71
223	16.50	270.21	199.21
224	16.50	286.71	211.71
225	16.92	303.63	224.62
226	16.75	320.38	237.37
227	15.42	335.79	248.79
228	14.92	350.71	259.71
229	13.83	364.54	269.54
230	13.75	378.29	279.29

Estimated Deg. Days (C) for Aug/78 = 487.10

COLINET NFLD

Station	Depth	Latitude	Longitude	Start
81A	5.0	47.19	53.58	June 7, 1982 16:20 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
158	6.50	6.50	2.50
159	6.83	13.33	5.33
160	7.50	20.83	8.83
161	4.83	25.67	10.68
162	1.67	27.33	10.08
163	1.50	28.83	10.08
164	2.75	31.58	10.08
165	3.42	35.00	10.08
166	4.92	39.92	11.00
167	5.17	45.08	12.17
168	5.00	50.08	13.17
169	5.33	55.42	14.50
170	6.50	61.92	17.00
171	8.08	70.00	21.00
172	6.08	76.08	23.17
173	3.83	79.92	23.42
174	6.00	85.92	25.42
175	6.00	91.92	27.42
176	6.92	98.83	30.33
177	6.58	105.42	32.92
178	6.33	111.75	35.25
179	7.00	118.75	38.25
180	7.33	126.08	41.58
181	8.08	134.17	45.67
Estimated Deg. Days (C) for June/82 =		161.00	
182	8.00	142.17	49.67
183	8.00	150.17	53.67
184	8.42	158.58	58.08
185	8.92	167.50	63.00
186	8.92	176.42	67.92
187	8.25	184.67	72.17
188	10.50	195.17	76.67
189	10.50	205.67	85.17
190	10.67	216.33	91.83
191	11.42	227.75	99.25
192	10.83	238.58	106.08
193	9.67	248.25	111.75
194	10.17	258.42	117.92
195	10.92	269.33	124.83
196	12.50	281.83	133.33
197	7.92	289.75	137.25
198	9.50	299.25	142.75
199	6.67	305.92	145.42
200	9.00	314.92	150.42
201	9.00	323.92	155.42
202	9.50	333.42	160.92
203	9.42	342.83	165.33
204	9.00	351.83	171.33

COLINET NFLD ...I continued

Station	Depth	Latitude	Longitude		Start
81A	6.0	47.19	53.58	June	7, 1982 16:20 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
205	10.167	362.50	178.00
206	10.75	373.25	184.75
207	9.167	382.92	190.42
208	10.00	392.92	196.42
209	10.17	403.08	202.58
210	9.833	412.42	207.92
211	11.50	423.92	215.42
212	11.167	435.58	223.08
Total Deg. Days (C) for July/82 =		301.42	
213	11.167	447.25	230.75
214	12.833	460.08	239.58
215	13.00	473.08	248.58
216	12.17	485.25	256.75
217	12.00	497.25	264.75
218	11.50	508.75	272.25
219	13.25	522.00	281.50
220	14.00	536.00	291.50
221	13.50	549.50	301.00
222	13.08	562.58	310.08
223	15.67	578.25	321.75
224	14.33	592.58	332.08
225	13.167	606.25	341.75
226	14.58	620.83	352.33
227	16.00	636.83	364.33
228	15.75	652.58	376.08
229	15.92	668.50	388.00
230	16.50	685.00	400.50
231	15.50	700.50	412.00
232	14.75	715.25	422.75
233	15.50	730.75	434.25
234	15.25	746.00	445.50
235	15.00	761.00	456.50
236	15.50	776.50	468.00
237	14.42	790.92	478.42
238	15.50	806.42	489.92
239	15.75	822.17	501.67
240	14.92	837.08	512.58
241	15.08	852.17	523.67
242	12.50	864.67	532.17
243	13.17	877.83	541.33
Total Deg. Days (C) for Aug/82 =		442.25	
244	15.00	892.83	552.33
245	14.33	907.17	562.67
246	14.08	921.25	572.75
247	15.00	936.25	583.75
248	14.67	950.92	594.42

COLINET NFLD ... continued

Station	Deptn	Latitude	Longitude		Start
81A	6.0	47.19	53.58	June 7, 1982	16:20 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
249	13.25	964.17	603.67
250	14.67	978.83	614.33
251	11.33	990.17	621.67
252	7.75	997.92	625.42
253	11.42	1009.33	632.83
254	12.00	1021.33	640.83
255	10.58	1031.92	647.42
256	9.00	1040.92	652.42
257	11.17	1052.08	659.58
258	11.75	1063.83	667.33
259	11.33	1075.17	674.67
260	10.50	1085.67	681.17
261	10.83	1096.50	688.00
262	10.17	1106.67	694.17
263	10.75	1117.42	700.92
264	10.75	1128.17	707.67
265	10.50	1136.67	714.17
266	11.00	1149.67	721.17
267	11.25	1160.92	728.42
268	11.33	1172.25	735.75
269	11.00	1183.25	742.75
270	11.00	1194.25	749.75
271	11.75	1206.00	757.50
272	11.58	1217.58	765.08
273	11.50	1229.08	772.58
Total Deg. Days (C) for Sept/82 =		351.25	
274	11.42	1240.50	780.00
275	11.25	1251.75	787.25
276	11.00	1262.75	794.25
277	10.67	1273.42	800.92
278	6.08	1279.50	803.00
279	3.67	1283.17	803.00
280	5.00	1288.17	804.00
281	5.83	1294.00	805.83
282	6.50	1300.50	808.33
283	7.25	1307.75	811.58
284	7.92	1315.67	815.50

Estimated Deg. Days (C) for Oct/82 = 244.03

COLINET NFLD

Station	Depth	Latitude	Longitude	Start
818	16.0	47.19	53.58	June 7, 1982 15:20 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
158	5.00	5.00	2.33
159	4.58	9.58	3.00
160	6.08	15.67	5.08
161	3.00	18.67	5.25
162	1.83	20.50	5.25
163	1.50	22.00	5.25
164	1.50	23.50	5.25
165	2.08	25.58	5.25
166	4.00	29.58	5.25
167	5.00	34.58	6.25
168	4.08	38.67	6.75
169	2.50	41.17	6.75
170	5.92	47.08	8.67
171	7.00	54.08	13.00

Estimated Deg. Days (C) for June/82 = 115.83

COLINET NFLD

Station	Depth	Latitude	Longitude	Start
81C	15.0	47.19	53.58	Oct 14, 1982 15:00 GMT

Day Number	Mean Temp.	Deg. Day (D)	Deg. Day (A)
287	8.00	8.00	5.33
288	8.00	16.00	9.33
289	8.00	24.00	13.33
290	8.00	32.00	17.33
291	8.50	40.50	21.83
292	8.50	49.00	26.33
293	8.50	57.50	30.83
294	8.50	66.00	35.33
295	8.50	74.50	39.83
296	8.50	83.00	44.33
297	8.50	91.50	48.83
298	8.50	100.00	53.33
299	8.17	108.17	57.50
300	8.50	116.67	62.00
301	8.50	125.17	66.50
302	8.50	133.67	71.00
303	8.50	142.17	75.50
304	8.33	150.50	79.83

Estimated Deg. Days (D) for Oct/82 = 245.55

305	8.00	158.50	83.83
306	8.00	166.50	87.83
307	8.00	174.50	91.83
308	8.00	182.50	95.83
309	8.00	190.50	99.83
310	8.00	198.50	103.83
311	8.00	206.50	107.83
312	8.00	214.50	111.83
313	8.00	222.50	115.83
314	8.00	230.50	119.83
315	8.00	238.50	123.83
316	7.92	246.42	127.75
317	7.50	253.92	131.25
318	7.50	261.42	134.75
319	7.50	268.92	138.25
320	7.50	276.42	141.75
321	7.50	283.92	145.25
322	7.08	291.00	148.33
323	7.00	298.00	151.33
324	7.00	305.00	154.33
325	6.83	311.83	157.17
326	6.50	318.33	159.67
327	7.00	325.33	162.67
328	7.00	332.33	165.67
329	7.00	339.33	168.67
330	7.00	346.33	171.67
331	7.00	353.33	174.67
332	7.00	360.33	177.67
333	7.00	367.33	180.67

COLINET NFLD ...! continued

Station	Depth	Latitude	Longitude	Start
81C	15.0	47.15	53.58	Oct 14, 1982 15:00 GMT

Day Number	Mean Temp.	Deg. Day (3)	Deg. Day (4)
334	6.75	374.08	183.42
Total Deg. Days (3) for Nov/82 =		223.58	
335	6.50	380.58	185.92
336	6.00	386.58	187.92
337	6.00	392.58	189.92
338	5.75	398.33	191.67
339	5.50	403.83	193.17
340	5.50	409.33	195.20

· COLINET NFLD

Station	Depth	Latitude	Longitude	Start
810	5.0	47.19	53.58	Oct 14, 1982 14:45 GMT

Day Number	Mean Temp.	Deg. Day (3)	Deg. Day (4)
287	8.00	8.00	5.33
288	8.00	16.00	9.33
289	8.00	24.00	13.33
290	8.17	32.17	17.50
291	8.50	40.67	22.00
292	8.50	49.17	26.50
293	8.50	57.67	31.00
294	8.50	66.17	35.50
295	8.50	74.67	40.00
296	8.50	83.17	44.50
297	8.50	91.67	49.00
298	8.25	99.92	53.25
299	8.00	107.92	57.25
300	8.00	115.92	61.25
301	8.00	123.92	65.25
302	8.00	131.92	69.25
303	8.00	139.92	73.25
304	7.75	147.67	77.00

Estimated Deg. Days (3) for Oct/82 = 240.33

305	7.50	155.17	80.50
306	7.50	162.67	84.00
307	7.50	170.17	87.50
308	7.50	177.67	91.00
309	7.50	185.17	94.50
310	7.92	193.08	98.42
311	8.00	201.08	102.42
312	8.00	209.08	106.42
313	8.00	217.08	110.42
314	8.00	225.08	114.42
315	8.00	233.08	118.42
316	7.42	240.50	121.83
317	7.00	247.50	124.83
318	7.00	254.50	127.83
319	7.00	261.50	130.83
320	7.00	268.50	133.83
321	7.00	275.50	136.83
322	6.58	282.08	139.42
323	6.75	288.83	142.17
324	6.67	295.50	144.83
325	5.75	301.25	146.58
326	5.67	306.92	148.25
327	6.00	312.92	150.25
328	6.17	319.08	152.42
329	7.00	326.08	155.42
330	6.75	332.83	158.17
331	6.08	338.92	160.25
332	6.00	344.92	162.25
333	6.00	350.92	164.25

COLINET NFLD ... continued

Station	Depth	Latitude	Longitude	Start
81D	6.0	47.19	53.38	Oct 14, 1982 14:45 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
334	6.00	350.92	160.25
Total Deg. Days (C) for Nov/82 = 209.25			
335	6.00	362.92	168.25
336	5.92	368.83	170.17
337	5.50	374.33	171.67
338	4.42	378.75	172.08
339	5.67	384.42	173.75
340	7.00	391.42	177.75

SHAG ROCKS - PLACENTIA BAY NFLD

Station	Depth	Latitude	Longitude	Start
82A	6.0	47.42	53.83	Apr 18, 1979 16:30 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
108	0.00	0.00	0.00
109	0.00	0.00	0.00
110	0.00	0.00	0.00
111	0.00	0.00	0.00
112	0.00	0.00	0.00
113	0.00	0.00	0.00
114	.50	.50	0.00
115	.08	.58	0.00
116	0.00	.58	0.00
117	0.00	.58	0.00
118	0.00	.58	0.00
119	.67	1.25	0.00
120	1.17	2.42	0.00
Estimated Deg. Days (C) for Apr/79 =		5.18	
121	.67	3.08	0.00
122	.08	3.17	0.00
123	0.00	3.17	0.00
124	0.00	3.17	0.00
125	0.00	3.17	0.00
126	.25	3.42	0.00
127	.75	4.17	0.00
128	1.00	5.17	0.00
129	1.00	6.17	0.00
130	1.00	7.17	0.00
131	1.00	8.17	0.00
132	1.58	9.75	0.00
133	2.00	11.75	0.00
134	3.17	14.92	0.00
Estimated Deg. Days (C) for May/79 =		27.58	

SHAG ROCKS - PLACENTIA BAY NFLD

Station	Deptn	Latitude	Longitude	Start
828	12.0	47.42	53.83	May 10, 1979 15:50 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (4)
130	1.175	1.75	0.00
131	1.00	2.75	0.00
132	1.00	3.75	0.00
133	1.00	4.75	0.00
134	1.00	5.75	0.00
135	1.00	6.75	0.00
136	1.42	8.17	0.00
137	2.00	10.17	0.00
138	2.00	12.17	0.00
139	2.83	15.00	0.00
140	3.00	18.00	0.00
141	3.50	21.50	0.00
142	3.92	25.42	0.00
143	4.08	29.50	0.00
144	3.75	33.25	0.00
145	4.00	37.25	0.00
146	3.42	40.67	0.00
147	3.08	43.75	0.00
148	3.00	46.75	0.00
149	3.33	50.08	0.00
150	4.58	54.67	.50
151	4.50	59.17	1.00

Estimated Deg. Days (C) for May/79 = 79.75

152	4.17	63.33	1.17
153	3.67	67.00	1.17
154	4.50	71.50	2.00
155	6.00	77.50	4.00
156	6.00	83.50	6.00
157	6.00	89.50	8.00
158	6.00	95.50	10.00
159	6.00	101.50	12.00
160	6.42	107.92	14.42
161	6.83	114.75	17.25
162	7.00	121.75	20.25
163	7.00	128.75	23.25
164	7.17	135.92	26.42
165	7.75	143.67	30.17
166	8.00	151.67	34.17
167	8.00	159.67	38.17
168	8.25	167.92	42.42
169	9.00	176.92	47.42
170	8.67	185.58	52.08
171	6.75	192.33	54.83
172	7.75	200.08	58.58
173	8.83	208.92	63.42
174	10.00	218.92	69.42
175	10.00	228.92	75.42
176	10.00	238.92	81.42

SHAG ROCKS - PLACENTIA BAY NFLD ...continued

Station	Depth	Latitude	Longitude	Start
828	12.0	47.42	53.83	May 10, 1979 15:30 GMT

Day Number	Mean Temp.	Deg. Day (D)	Deg. Day (4)
177	9.17	248.08	86.58
178	8.33	256.42	90.92
179	10.00	266.42	96.92
180	10.17	276.58	103.08
181	10.50	287.08	109.58
Total Deg. Days (D) for June/79 =		227.92	
182	10.25	297.33	115.83
183	11.00	308.33	122.83
184	11.00	319.33	129.83
185	11.00	330.33	136.83
186	11.00	341.33	143.83
187	11.00	352.33	150.83
188	11.00	363.33	157.83
189	11.00	374.33	164.83
190	11.00	385.33	171.83
191	11.08	396.42	178.92
192	11.50	407.92	186.42
193	11.50	419.42	193.92
194	11.50	430.92	201.42
Estimated Deg. Days (D) for July/79 =		342.99	

SHAG ROCKS - PLACENTIA BAY NFLD

Station	Deptn	Latitude	Longitude	Start
82C	12.0	47.42	53.83	Sept 5, 1979 15:00 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
248	13.75	13.75	11.08
249	13.92	27.67	21.00
250	14.00	41.67	31.00
251	13.83	55.50	40.83
252	12.33	67.83	49.17
253	11.25	79.08	58.42
254	10.67	89.75	63.08
255	11.67	101.42	70.75
256	12.00	113.42	78.75
257	11.50	124.92	86.25
258	11.25	136.17	93.50
259	11.33	147.50	100.83
260	11.75	159.25	108.58
261	11.83	171.08	116.42
262	11.50	182.58	123.92
263	11.83	194.42	131.75
264	12.00	206.42	139.75
265	12.00	218.42	147.75
266	12.00	230.42	155.75
267	12.00	242.42	163.75
268	12.00	254.42	171.75
269	11.83	266.25	179.58
270	11.50	277.75	187.08
271	11.50	289.25	194.58
272	11.50	300.75	202.08
273	10.50	311.25	208.58

Estimated Deg. Days (C) for Sept/79 = 345.83

274	10.83	322.08	215.42
275	11.00	333.08	222.42
276	11.00	344.08	229.42
277	10.17	354.25	235.58
278	10.00	364.25	241.58
279	10.00	374.25	247.58
280	10.50	384.75	254.08
281	10.50	395.25	260.58
282	10.50	405.75	267.08
283	10.50	416.25	273.58
284	10.50	426.75	280.08
285	10.50	437.25	286.58
286	10.50	447.75	293.08
287	10.50	458.25	299.58
288	10.33	468.58	305.92
289	10.00	478.58	311.92
290	10.00	488.58	317.92
291	10.00	498.58	323.92
292	10.00	508.58	329.92
293	9.75	518.33	335.67
294	9.08	527.42	340.75

SHAG ROCKS - PLACENTIA BAY NFLD ...i continued

Station	Deptn	Latitude	Longitude		Start
BZC	12.0	47.42	53.83	Sept 5, 1979	15:00 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
295	9.00	536.42	345.75
296	9.00	545.42	350.75
297	9.00	554.42	355.75
298	9.00	563.42	360.75
299	9.00	572.42	365.75
300	9.00	581.42	370.75
301	9.00	590.42	375.75
302	8.75	599.17	380.50
303	8.50	607.67	385.00
304	7.92	615.58	388.92
Total Deg. Days (C) for Oct/79 =		304.33	
305	7.00	622.58	391.92
306	7.08	629.67	395.00
307	7.50	637.17	398.50
308	7.75	644.92	402.25
309	8.00	652.92	406.25
310	8.00	660.92	410.25
311	8.00	668.92	414.25
312	8.00	676.92	418.25
313	8.00	684.92	422.25
314	8.00	692.92	426.25
315	8.00	700.92	430.25
316	8.00	708.92	434.25
317	7.92	716.83	438.17
318	7.50	724.33	441.67
319	7.50	731.83	445.17
320	7.50	739.33	448.67
321	7.50	746.83	452.17
322	7.25	754.08	455.42
323	7.00	761.08	458.42
324	7.00	768.08	461.42
325	7.00	775.08	464.42
326	6.67	781.75	467.08
327	6.50	788.25	469.58
328	6.50	794.75	472.08
329	6.17	800.92	474.45
330	5.83	806.75	476.08
331	5.50	812.25	477.58
332	5.50	817.75	479.08
333	5.50	823.25	480.58
334	5.50	828.75	482.08
Total Deg. Days (C) for Nov/79 =		213.17	
335	5.17	833.92	483.25
336	5.00	838.92	484.25
337	5.00	843.92	485.25
338	5.00	848.92	486.25

SHAG ROCKS - PLACENTIA BAY NFLD ...I continued

Station	Depth	Latitude	Longitude	Start
82C	12.0	47.42	53.83	Sept 5, 1979 15:00 GMT

D MT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
339	5.00	853.92	487.65
340	5.00	858.92	488.25
341	5.00	863.92	489.25
342	5.00	868.92	490.25
343	5.00	873.92	491.25
344	4.83	878.75	493.42

Estimated Deg. Days (C) for Dec/79 = 155.00

SHAG ROCKS - PLACENTIA BAY NFLD

Station	Depth	Latitude	Longitude	Start
82D	9.0	47.42	53.83	Feb 3, 1982 17:00 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
34	-1.49	0.00	0.00
35	-1.49	0.00	0.00
36	-1.49	0.00	0.00
37	-1.49	0.00	0.00
38	-1.49	0.00	0.00
39	-1.49	0.00	0.00
40	-1.49	0.00	0.00
41	-1.49	0.00	0.00
42	-1.49	0.00	0.00
43	-1.49	0.00	0.00
44	-1.49	0.00	0.00
45	-1.49	0.00	0.00
46	-1.49	0.00	0.00
47	-1.82	0.00	0.00
48	-1.99	0.00	0.00
49	-1.99	0.00	0.00
50	-1.99	0.00	0.00
51	-1.99	0.00	0.00
52	-1.99	0.00	0.00
53	-1.99	0.00	0.00
54	-1.99	0.00	0.00
55	-1.99	0.00	0.00
56	-1.99	0.00	0.00
57	-1.99	0.00	0.00
58	-1.99	0.00	0.00
59	-2.49	0.00	0.00

Estimated Deg. Days (C) for Feb/82 = 0.00

60	-2.49	0.00	0.00
61	-2.49	0.00	0.00
62	-2.49	0.00	0.00
63	-2.49	0.00	0.00
64	-2.49	0.00	0.00
65	-2.49	0.00	0.00
66	-2.49	0.00	0.00
67	-2.49	0.00	0.00
68	-2.24	0.00	0.00
69	-1.99	0.00	0.00
70	-1.99	0.00	0.00
71	-1.99	0.00	0.00
72	-1.99	0.00	0.00
73	-1.99	0.00	0.00
74	-1.99	0.00	0.00
75	-1.99	0.00	0.00
76	-1.99	0.00	0.00
77	-1.99	0.00	0.00
78	-1.99	0.00	0.00
79	-1.99	0.00	0.00
80	-1.99	0.00	0.00

SHAG ROCKS - PLACENTIA BAY NFLD ...l continued

Station 820 | Depth 9.3 | Latitude 47.42 | Longitude 53.83 | Start Feb 3, 1982 17:30 GMT

Day Number	Mean Temp.	Deg. Day (3)	Deg. Day (4)
81	-1.99		
82	-1.99	0.00	0.00
83	-1.99	0.00	0.00
84	-1.99	0.00	0.00
85	-1.99	0.00	0.00
86	-1.82	0.00	0.00
87	-1.49	0.00	0.00
88	-1.49	0.00	0.00
89	-1.49	0.00	0.00
90	-1.49	0.00	0.00
		0.00	0.00

Total Deg. Days (3) for Mar/82 = 0.00

91	-1.49	0.00	0.00
92	-1.49	0.00	0.00
93	-1.49	0.00	0.00
94	-1.49	0.00	0.00
95	-1.49	0.00	0.00
96	-.99	0.00	0.00
97	-.99	0.00	0.00
98	-.99	0.00	0.00
99	-1.07	0.00	0.00
100	-1.49	0.00	0.00
101	-1.49	0.00	0.00
102	-1.49	0.00	0.00
103	-1.49	0.00	0.00
104	-.99	0.00	0.00
105	-.99	0.00	0.00
106	-.99	0.00	0.00
107	-.99	0.00	0.00
108	-.99	0.00	0.00
109	-.99	0.00	0.00
110	-.49	0.00	0.00
111	-.49	0.00	0.00
112	-.49	0.00	0.00
113	-.49	0.00	0.00
114	0.00	0.00	0.00
115	0.00	0.00	0.00
116	.50	0.00	0.00
117	.50	0.00	0.00
118	.50	.25	0.00
119	.83	1.08	0.00
120	1.00	2.08	0.00
			0.00

Total Deg. Days (3) for Apr/82 = 3.33

121	1.00	3.08	0.00
122	1.00	4.08	0.00
123	1.00	5.08	0.00
124	1.00	6.08	0.00

SNAG ROCKS - PLACENTIA BAY MFLW ... continued

Station	Deptn	Latitude	Longitude	Start
820	9.3	47.42	53.83	Feb 3, 1982 17:00 GMT

Day Number	Mean Temp.	Deg. Day (3)	Deg. Day (4)
125	1.00	7.08	0.00
126	1.00	8.08	0.00
127	1.00	9.08	0.00
128	1.08	10.17	0.00
129	1.00	11.17	0.00
130	.50	11.67	0.00
131	0.00	11.67	0.00
132	.25	11.92	0.00
133	.50	12.42	0.00
134	.50	12.92	0.00
135	.25	13.17	0.00
136	0.00	13.17	0.00
137	0.00	13.17	0.00
138	.83	14.00	0.00
139	1.00	15.00	0.00
140	1.00	16.00	0.00
141	1.17	17.17	0.00
142	1.58	18.75	0.00
143	2.00	20.75	0.00
144	2.00	22.75	0.00
145	2.33	25.08	0.00
146	3.00	28.08	0.00
147	3.00	31.08	0.00
148	3.00	34.08	0.00
149	3.42	37.50	0.00
150	3.33	40.83	0.00
151	2.42	43.25	0.00

Total Deg. Days (0) for May/82 = 41.17

152	2.83	46.08	0.00
153	2.17	48.25	0.00
154	2.00	50.25	0.00
155	2.00	52.25	0.00
156	2.92	55.17	0.00
157	3.08	58.25	0.00
158	4.00	62.25	0.00
159	4.25	66.50	0.00
160	4.50	71.00	0.00
161	4.50	75.50	0.00
162	2.92	78.42	0.00
163	2.00	80.42	0.00
164	2.83	83.25	0.00
165	3.00	86.25	0.00
166	4.25	90.50	0.00
167	5.00	95.50	0.00
168	4.33	99.83	0.00
169	4.67	104.50	0.00
170	5.50	110.00	.83
171	6.00	116.00	2.83

SHAG ROCKS - PLACENTIA BAY NFLD ...continued

Station	Depth	Latitude	Longitude	Start
820	9.3	47.42	53.83	Feb 3, 1982 17:00 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
172	5.25	121.25	4.00
173	3.25	124.50	4.00
174	4.92	129.42	5.00
175	5.00	134.42	6.00
176	5.00	139.42	7.00
177	5.00	144.42	8.00
178	5.83	149.75	9.33
179	5.50	155.25	10.83
180	5.67	160.92	12.50
181	6.00	166.92	14.50

Total Deg. Days (C) for June/82 = 123.57

182	6.00	172.92	16.50
183	6.50	179.42	19.00
184	7.00	186.42	22.00
185	7.00	193.42	25.00
186	7.00	200.42	28.00
187	7.08	207.50	31.08
188	8.00	215.50	35.08
189	8.00	223.50	39.08
190	8.00	231.50	43.08
191	8.00	239.50	47.08
192	8.00	247.50	51.08
193	8.00	255.50	55.08
194	8.00	263.50	59.08
195	9.08	272.58	64.17
196	10.00	282.58	70.75

Estimated Deg. Days (C) for July/82 = 239.34

SHAG ROCKS - PLACENTIA BAY NFLD

Station	Depth	Latitude	Longitude	Start
82E	9.0	47.42	53.83	Feb 3, 1982 17:00 GMT

Day Number	Mean Temp.	Deg. Day (3)	Deg. Day (4)
34	-.99	0.00	0.00
35	-.99	0.00	0.00
36	-.99	0.00	0.00
37	-.99	0.00	0.00
38	-.99	0.00	0.00
39	-.99	0.00	0.00
40	-.99	0.00	0.00
41	-.99	0.00	0.00
42	-.82	0.00	0.00
43	-.49	0.00	0.00
44	-.91	0.00	0.00
45	-.99	0.00	0.00
46	-.99	0.00	0.00
47	-.99	0.00	0.00
48	-.99	0.00	0.00
49	-1.24	0.00	0.00
50	-1.49	0.00	0.00
51	-1.49	0.00	0.00
52	-1.49	0.00	0.00
53	-.99	0.00	0.00
54	-.99	0.00	0.00
55	-.99	0.00	0.00
56	-.99	0.00	0.00
57	-.99	0.00	0.00
58	-1.49	0.00	0.00
59	-1.74	0.00	0.00

Estimated Deg. Days (3) for Feb/82 = 0.00

60	-1.99	0.00	0.00
61	-1.99	0.00	0.00
62	-1.99	0.00	0.00
63	-1.99	0.00	0.00
64	-1.99	0.00	0.00
65	-1.99	0.00	0.00
66	-1.49	0.00	0.00
67	-1.49	0.00	0.00
68	-1.49	0.00	0.00
69	-1.49	0.00	0.00
70	-1.49	0.00	0.00
71	-1.49	0.00	0.00
72	-.99	0.00	0.00
73	-.99	0.00	0.00
74	-.99	0.00	0.00
75	-.99	0.00	0.00
76	-.99	0.00	0.00
77	-.99	0.00	0.00
78	-.99	0.00	0.00
79	-.99	0.00	0.00
80	-.99	0.00	0.00

SHAG ROCKS - PLACENTIA BAY NFLD ...continued

Station	Depth	Latitude	Longitude		Start
82E	9.0	47.42	53.83	Feb 3, 1982	17:00 GMT

Day Number	Mean Temp.	Deg. Day (3)	Deg. Day (4)
81	-.99	0.00	0.00
82	-.99	0.00	0.00
83	-.99	0.00	0.00
84	-.99	0.00	0.00
85	-.99	0.00	0.00
86	-.99	0.00	0.00
87	-.99	0.00	0.00
88	-.99	0.00	0.00
89	-.99	0.00	0.00
90	-.99	0.00	0.00
Total Deg. Days (0) for Mar/82 =		0.00	
91	-.82	0.00	0.00
92	-.91	0.00	0.00
93	-.49	0.00	0.00
94	-.49	0.00	0.00
95	-.49	0.00	0.00
96	-.49	0.00	0.00
97	-.49	0.00	0.00
98	-.49	0.00	0.00
99	-.49	0.00	0.00
100	-.49	0.00	0.00
101	-.49	0.00	0.00
102	-.49	0.00	0.00
103	-.49	0.00	0.00
104	-.49	0.00	0.00
105	-.24	0.00	0.00
106	0.00	0.00	0.00
107	0.00	0.00	0.00
108	0.00	0.00	0.00
109	0.00	0.00	0.00
110	0.00	0.00	0.00
111	0.00	0.00	0.00
112	.42	0.00	0.00
113	.58	.17	0.00
114	1.00	1.17	0.00
115	1.00	2.17	0.00
116	1.42	3.58	0.00
117	1.08	4.67	0.00
118	1.00	5.67	0.00
119	1.50	7.17	0.00
120	2.00	9.17	0.00
Total Deg. Days (0) for Apr/82 =		10.00	
121	2.00	11.17	0.00
122	2.00	13.17	0.00
123	2.00	15.17	0.00
124	2.00	17.17	0.00

SHAG ROCKS - PLACENTIA BAY NFLD ... continued

Station	Depth	Latitude	Longitude	Start
82E	9.0	47.42	53.83	Feb 3, 1982 17:30 NST

Day Number	Mean Temp.	Deg. Day (3)	Deg. Day (4)
125	2.00	19.17	0.00
126	2.00	21.17	0.00
127	1.67	22.83	0.00
128	2.00	24.83	0.00
129	1.50	26.33	0.00
130	1.08	27.42	0.00
131	1.00	28.42	0.00
132	1.25	29.67	0.00
133	1.50	31.17	0.00
134	1.50	32.67	0.00
135	1.08	33.75	0.00
136	1.00	34.75	0.00
137	1.00	35.75	0.00
138	1.92	37.67	0.00
139	2.00	39.67	0.00
140	2.00	41.67	0.00
141	2.00	43.67	0.00
142	2.17	45.83	0.00
143	2.50	48.33	0.00
144	3.00	51.33	0.00
145	3.08	54.42	0.00
146	3.50	57.92	0.00
147	3.58	61.50	0.00
148	4.00	65.50	0.00
149	4.00	69.50	0.00
150	4.00	73.50	0.00
151	3.17	76.67	0.00

Total Deg. Days (3) for May/82 = 67.30

152	3.33	80.00	0.00
153	2.75	82.75	0.00
154	2.67	85.42	0.00
155	3.00	88.42	0.00
156	3.58	92.00	0.00
157	4.00	96.00	0.00
158	4.50	100.50	0.00
159	5.00	105.50	0.00
160	5.00	110.50	0.00
161	5.00	115.50	0.00
162	3.25	118.75	0.00
163	2.50	121.25	0.00
164	3.67	124.92	0.00
165	4.00	128.92	0.00
166	4.83	133.75	.17
167	5.83	139.58	2.00
168	4.67	144.25	2.67
169	5.00	149.25	3.67
170	6.17	155.42	5.83
171	7.00	162.42	8.83

SHAG ROCKS - PLACENTIA BAY NFLD ... continued

Station	Depth	Latitude	Longitude	Start
82E	9.0	47.42	53.83	Feb 3, 1982 17:00 GMT

Day Number	Mean Temp.	Deg. Day (3)	Deg. Day (4)
172	5.75	168.17	10.58
173	4.00	172.17	10.75
174	5.50	177.67	12.25
175	5.50	183.17	13.75
176	5.67	188.83	15.42
177	6.00	194.83	17.42
178	6.00	200.83	19.42
179	6.00	206.83	21.42
180	6.50	213.33	23.92
181	7.00	220.33	26.92

Total Deg. Days (3) for June/82 = 143.67

182	7.00	227.33	29.92
183	7.00	234.33	32.92
184	7.17	241.50	36.08
185	7.58	249.08	39.87
186	8.00	257.08	43.87
187	8.00	265.08	47.87
188	8.50	273.58	52.17
189	8.50	282.08	56.67
190	8.50	290.58	61.17
191	8.50	299.08	65.67
192	8.50	307.58	70.17
193	9.00	316.58	75.17
194	10.00	326.58	81.17

Estimated Deg. Days (3) for July/82 = 253.37

SHAG ROCKS - PLACENTIA BAY NFLD

Station	Deptn	Latitude	Longitude	Start
82F	9.0	47.42	53.83	July 1st, 1982 15:30 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
197	11.00	11.00	8.33
198	10.00	21.00	14.33
199	9.67	30.67	20.00
200	8.58	39.25	24.58
201	8.83	48.08	29.42
202	9.00	57.08	34.42
203	9.00	66.08	39.42
204	9.00	75.08	44.42
205	9.33	84.42	49.75
206	10.00	94.42	55.75
207	10.00	104.42	61.75
208	10.17	114.58	67.92
209	10.67	125.25	74.58
210	10.75	136.00	81.33
211	10.33	146.33	87.67
212	10.42	156.75	94.08

Estimated Deg. Days (C) for July/82 = 285.34

213	10.58	167.33	100.67
214	11.00	178.33	107.67
215	11.00	189.33	114.67
216	11.17	200.50	121.83
217	11.50	212.00	129.33
218	11.50	223.50	136.83
219	11.50	235.00	144.33
220	11.92	246.92	152.25
221	12.08	259.00	160.33
222	12.75	271.75	169.08
223	12.92	284.67	178.00
224	13.00	297.67	187.00
225	13.00	310.67	196.00
226	13.17	323.83	205.17
227	13.50	337.33	214.67
228	13.50	350.83	224.17
229	13.75	364.58	233.92
230	14.00	378.58	243.92
231	14.00	392.58	253.92
232	14.00	406.58	263.92
233	14.00	420.58	273.92
234	14.00	434.58	283.92
235	14.00	448.58	293.92
236	14.00	462.58	303.92
237	14.00	476.58	313.92
238	14.17	490.75	324.08
239	14.50	505.25	334.58
240	14.50	519.75	345.08
241	14.50	534.25	355.58
242	14.25	548.50	365.83
243	13.75	562.25	375.58

Total Deg. Days (C) for Aug/82 = 405.30

SHAG ROCKS - PLACENTIA BAY NFLD ...i continued

Station	Depth	Latitude	Longitude	Start
82F	9.0	47.42	53.83	July 15, 1982 15:30 GMT

Day Number	Mean Temp.	Deg. Day (3)	Deg. Day (4)
244	14.00	576.25	385.50
245	14.00	590.25	395.50
246	14.00	604.25	405.50
247	13.92	618.17	415.50
248	14.00	632.17	425.50
249	14.00	646.17	435.50
250	14.00	660.17	445.50
251	14.00	674.17	455.50
252	13.08	687.25	464.58
253	12.25	699.50	472.83
254	13.25	712.75	482.08
255	12.92	725.67	491.00
256	12.92	738.58	499.92
257	12.83	751.42	508.75
258	13.00	764.42	517.75
259	13.00	777.42	526.75
260	12.92	790.33	535.67
261	10.08	800.42	541.75
262	11.00	811.42	548.75
263	10.25	821.67	555.00
264	10.67	832.33	561.67
265	10.67	843.00	568.33
266	10.50	853.50	574.83
267	10.50	864.00	581.33
268	10.50	874.50	587.83
269	10.58	885.08	594.42
270	11.00	896.08	601.42
271	11.00	907.08	608.42
272	11.00	918.08	615.42
273	11.00	929.08	622.42

Total Deg. Days (0) for Sept/82 = 306.33

274	10.17	939.25	628.58
275	10.42	949.67	635.00
276	10.50	960.17	641.50
277	6.08	966.25	644.08
278	.83	967.08	644.08
279	3.58	970.67	645.33
280	8.00	978.67	649.33
281	8.00	986.67	653.33
282	8.00	994.67	657.33
283	7.50	1002.17	660.83
284	7.50	1009.67	664.33
285	6.50	1016.17	666.83
286	6.50	1022.67	669.33
287	6.58	1029.25	671.92
288	7.00	1036.25	674.92
289	6.50	1042.75	677.42
290	6.67	1049.42	680.08

SHAG ROCKS - PLACENTIA BAY NFLD ...I continued

Station	Deptn	Latitude	Longitude	Start
82F	9.0	47.42	53.83	July 16, 1982 15:30 GMT

Day Number	Mean Temp.	Deg. Day (D)	Deg. Day (A)
291	7.00	1056.42	683.00
292	7.00	1063.42	686.08
293	7.00	1070.42	689.08
294	7.00	1077.42	692.08
295	6.83	1084.25	694.92
296	6.50	1090.75	697.42
297	6.50	1097.25	699.92
298	6.92	1104.17	702.83
299	7.00	1111.17	705.83
300	7.00	1118.17	708.83
301	7.00	1125.17	711.83
302	7.00	1132.17	714.83
303	6.67	1138.83	717.50
304	6.50	1145.33	720.00

Total Deg. Days (D) for Oct/82 = 216.25

305	6.50	1151.83	722.50
306	6.25	1158.08	724.75
307	6.00	1164.08	726.75
308	6.00	1170.08	728.75
309	6.00	1176.08	730.75
310	6.00	1182.08	732.75
311	6.00	1188.08	734.75
312	6.00	1194.08	736.75
313	6.00	1200.08	738.75
314	6.00	1206.08	740.75
315	6.00	1212.08	742.75
316	6.00	1218.08	744.75
317	6.00	1224.08	746.75
318	6.00	1230.08	748.75
319	6.00	1236.08	750.75
320	6.00	1242.08	752.75
321	6.00	1248.08	754.75
322	5.50	1253.58	756.25
323	5.50	1259.08	757.75
324	5.50	1264.58	759.25
325	5.50	1270.08	760.75
326	5.25	1275.33	762.00
327	5.00	1280.33	763.00
328	5.00	1285.33	764.33

Estimated Deg. Days (D) for Nov/82 = 175.00

SHAG ROCKS - PLACENTIA BAY NFLD

Station	Deptn	Latitude	Longitude	Start
82G	9.0	47.42	53.83	July 15, 1982 14:30 GMT

Day Number	Mean Temp.	Deg. Day (J)	Deg. Day (A)
197	10.75	10.75	8.00
198	10.33	21.08	14.42
199	9.92	31.00	20.33
200	8.75	39.75	25.08
201	9.00	48.75	30.08
202	9.17	57.92	35.25
203	9.50	67.42	40.75
204	9.50	76.92	46.25
205	9.83	86.75	52.00
206	10.00	96.75	58.08
207	10.58	107.33	64.67
208	11.00	118.33	71.67
209	11.17	129.50	78.83
210	11.25	140.75	86.00
211	11.00	151.75	93.08
212	11.00	162.75	100.08

Estimated Deg. Days (J) for July/82 = 296.78

213	11.00	173.75	107.08
214	11.33	185.08	114.42
215	11.50	196.58	121.92
216	11.67	208.25	129.58
217	12.00	220.25	137.58
218	12.00	232.25	145.58
219	12.00	244.25	153.58
220	12.33	256.58	161.92
221	12.50	269.08	170.42
222	13.00	282.08	179.42
223	13.00	295.08	188.42
224	13.00	308.08	197.42
225	13.08	321.17	206.50
226	13.50	334.67	216.00
227	13.83	348.50	225.83
228	14.00	362.50	235.83
229	14.00	376.50	245.83
230	14.00	390.50	255.83
231	14.00	404.50	265.83
232	14.00	418.50	275.83
233	14.50	433.00	286.33
234	14.50	447.50	296.83
235	14.50	462.00	307.33
236	14.50	476.50	317.83
237	14.50	491.00	328.33
238	14.58	505.58	338.92
239	15.00	520.58	349.92
240	15.00	535.58	360.92
241	15.00	550.58	371.92
242	14.75	565.33	382.67
243	14.00	579.33	392.67

Total Deg. Days (J) for Aug/82 = 416.58

SHAG ROCKS - PLACENTIA BAY NFLD ...continued

Station	Depth	Latitude	Longitude	Start
82G	9.0	47.42	53.33	July 16, 1982 14:30 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
244	14.00	593.33	402.67
245	14.00	607.33	412.67
246	14.00	621.33	422.67
247	14.00	635.33	432.67
248	14.00	649.33	442.67
249	14.17	663.50	452.83
250	14.50	678.00	463.33
251	14.50	692.50	473.83
252	13.17	705.67	483.00
253	12.58	718.25	491.58
254	13.67	731.92	501.25
255	13.42	745.33	510.67
256	13.33	758.67	520.00
257	13.33	772.00	529.33
258	13.50	785.50	538.83
259	13.50	799.00	548.33
260	13.42	812.42	557.75
261	10.83	823.25	564.58
262	11.83	835.08	572.42
263	10.67	845.75	579.08
264	11.17	856.92	586.25
265	11.50	868.42	593.75
266	11.50	879.92	601.25
267	11.50	891.42	608.75
268	11.50	902.92	616.25
269	11.08	914.00	623.33
270	11.50	925.50	630.83
271	11.50	937.00	638.33
272	11.50	948.50	645.83
273	11.50	960.00	653.33

Total Deg. Days (C) for Sept/82 = 380.67

274	11.50	971.50	660.83
275	11.50	983.00	668.33
276	11.25	994.25	675.58
277	6.75	1001.00	678.50
278	2.25	1003.25	679.50
279	4.92	1008.17	680.33
280	9.08	1017.25	686.42
281	9.50	1026.75	690.92
282	9.08	1035.83	696.00
283	9.00	1044.83	701.00
284	8.92	1053.75	705.92
285	8.00	1061.75	709.92
286	7.92	1069.67	713.83
287	7.75	1077.42	717.58
288	8.00	1085.42	721.58
289	8.00	1093.42	726.92

Estimated Deg. Days (C) for Oct/82 = 258.49

SPENCERS COVE - PLACENTIA BAY NFLD

Station	Deptn	Latitude	Longitude	Start
83A	9.0	47.67	54.08	Nov 18, 1981 18:00 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (4)
322	7.50	7.50	3.50
323	7.00	14.50	6.50
324	7.00	21.50	9.50
325	7.00	28.50	12.50
326	6.83	35.33	15.33
327	6.50	41.83	17.83
328	6.50	48.33	20.33
329	6.33	54.67	22.67
330	6.00	60.67	24.67
331	6.00	66.67	26.67
332	6.00	72.67	28.67
333	5.58	78.25	30.25
334	5.50	83.75	31.75

Estimated Deg. Days (C) for Nov/81 = 179.46

335	5.17	88.92	32.92
336	5.00	93.92	33.92
337	5.00	98.92	34.92
338	5.00	103.92	35.92
339	5.00	108.92	36.92
340	5.00	113.92	37.92
341	5.00	118.92	38.92
342	5.00	123.92	39.92
343	5.42	129.33	41.33
344	5.50	134.83	42.83
345	5.50	140.33	44.33
346	5.33	145.67	45.67
347	5.00	150.67	46.67
348	4.75	155.42	47.42
349	4.50	159.92	47.92
350	4.50	164.42	48.42
351	4.50	168.92	48.92
352	4.50	173.42	49.42
353	4.50	177.92	49.92
354	4.50	182.42	50.42
355	4.25	186.67	50.67
356	4.00	190.67	50.67
357	4.00	194.67	50.67
358	4.00	198.67	50.67
359	3.75	202.42	50.67
360	3.42	205.83	50.67
361	3.00	208.83	50.67
362	2.75	211.58	50.67
363	3.00	214.58	50.67
364	3.00	217.58	50.67
365	3.00	220.58	50.67

Total Deg. Days (C) for Dec/81 = 136.83

SPENCERS COVE - PLACENTIA BAY NFLD ... continued

Station	Deptn	Latitude	Longitude	Start
83A	9.0	47.67	54.0d	Nov 18, 1981 18:00 GMT

Day Number	Mean Temp.	Deg. Day (3)	Deg. Day (4)
1	3.00	223.58	50.67
2	3.00	226.58	50.67
3	3.00	229.58	50.67
4	3.00	232.58	50.67
5	2.92	235.50	50.67
6	2.50	238.00	50.67
7	2.50	240.50	50.67
8	2.50	243.00	50.67
9	2.25	245.25	50.67
10	2.00	247.25	50.67
11	2.00	249.25	50.67
12	1.50	250.75	50.67
13	1.50	252.25	50.67
14	1.08	253.33	50.67
15	1.75	255.08	50.67
16	2.00	257.08	50.67
17	1.75	258.83	50.67
18	1.33	260.17	50.67
19	1.00	261.17	50.67
20	.58	261.75	50.67
21	.50	262.25	50.67
22	.50	262.75	50.67
23	.67	263.42	50.67
24	1.00	264.42	50.67
25	1.00	265.42	50.67
26	.50	265.92	50.67
27	.50	266.42	50.67
28	.50	266.92	50.67
29	.17	267.08	50.67
30	.25	267.33	50.67
31	0.00	267.33	50.67

Total Deg. Days (3) for Jan/82 = 46.75

32	0.00	267.33	50.67
33	0.00	267.33	50.67
34	0.00	267.33	50.67
35	0.00	267.33	50.67
36	0.00	267.33	50.67
37	0.00	267.33	50.67
38	0.00	267.33	50.67
39	-.16	267.33	50.67
40	-.49	267.33	50.67
41	-.49	267.33	50.67
42	-.49	267.33	50.67
43	-.49	267.33	50.67
44	-.49	267.33	50.67
45	-.41	267.33	50.67
46	-.41	267.33	50.67
47	-.99	267.33	50.67

SPENCERS COVE - PLACENTIA BAY NFLD ... continued

Station	Deptn	Latitude	Longitude	Start
83A	9.0	47.67	54.08	Nov 18, 1981 18:00 GMT

Day Number	Mean Temp.	Deg. Day (0)	Deg. Day (4)
48	-.99	267.33	50.67
49	-.99	267.33	50.67
50	-1.16	267.33	50.67
51	-1.24	267.33	50.67
52	-.99	267.33	50.67
53	-.74	267.33	50.67
54	-.32	267.33	50.67
55	0.00	267.33	50.67
56	-.66	267.33	50.67
57	-.99	267.33	50.67
58	-.99	267.33	50.67
59	-1.49	267.33	50.67
Total Deg. Days (0) for Feb/82 =		0.00	
60	-1.49	267.33	50.67
61	-1.49	267.33	50.67
62	-1.32	267.33	50.67
63	-1.24	267.33	50.67
64	-1.49	267.33	50.67
65	-1.41	267.33	50.67
66	-.99	267.33	50.67
67	-.99	267.33	50.67
68	-.49	267.33	50.67
69	-.49	267.33	50.67
70	-.82	267.33	50.67
71	-.99	267.33	50.67
72	-.99	267.33	50.67
73	-.99	267.33	50.67
74	-.99	267.33	50.67
75	-.99	267.33	50.67
76	-.99	267.33	50.67
77	-.99	267.33	50.67
78	-.99	267.33	50.67
79	-.99	267.33	50.67
80	-.99	267.33	50.67
81	-.99	267.33	50.67
82	-.99	267.33	50.67
83	-.99	267.33	50.67
84	-.99	267.33	50.67
85	-.82	267.33	50.67
86	-.49	267.33	50.67
87	-.49	267.33	50.67
88	-.49	267.33	50.67
89	-.49	267.33	50.67
90	-.49	267.33	50.67
Total Deg. Days (0) for Mar/82 =		0.00	
91	-.49	267.33	50.67

SPENCERS COVE - PLACENTIA BAY NFLD ... continued

Station	Deptn	Latitude	Longitude	Start
83A	9.0	47.67	54.08	Nov 18, 1981 18:00 GMT

Day Number	Mean Temp.	Deg. Day (0)	Deg. Day (4)
92	-.32	267.33	50.67
93	0.00	267.33	50.67
94	0.00	267.33	50.67
95	0.00	267.33	50.67
96	0.00	267.33	50.67
97	0.00	267.33	50.67
98	-.49	267.33	50.67
99	-.07	267.33	50.67
100	0.00	267.33	50.67
101	0.00	267.33	50.67
102	0.00	267.33	50.67
103	0.00	267.33	50.67
104	0.00	267.33	50.67
105	0.00	267.33	50.67
106	0.00	267.33	50.67
107	0.00	267.33	50.67
108	0.00	267.33	50.67
109	.17	267.50	50.67
110	.50	268.00	50.67
111	.58	268.58	50.67
112	1.00	269.58	50.67
113	1.00	270.58	50.67
114	1.00	271.58	50.67
115	1.50	273.08	50.67
116	1.50	274.58	50.67
117	1.17	275.75	50.67
118	1.58	277.33	50.67
119	2.00	279.33	50.67
120	1.75	281.08	50.67

Total Deg. Days (0) for Apr/82 = 13.75

121	1.75	282.83	50.67
122	2.00	284.83	50.67
123	2.00	286.83	50.67
124	1.50	288.33	50.67
125	1.50	289.83	50.67
126	1.50	291.33	50.67
127	1.50	292.83	50.67
128	1.33	294.17	50.67
129	.42	294.58	50.67
130	0.00	294.58	50.67
131	.70	295.28	50.65

Estimated Deg. Days (0) for May/82 = 40.32

SPENCERS COVE - PLACENTIA BAY NFLD

Station	Deptn	Latitude	Longitude	Start
838	9.0	47.67	54.08	Nov 18, 1981 18:00 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
322	8.00	8.00	4.00
323	7.50	15.50	7.50
324	7.33	22.83	10.83
325	7.00	29.83	13.83
326	7.00	36.83	16.83
327	7.00	43.83	19.83
328	6.75	50.58	22.58
329	6.33	56.92	24.92
330	6.08	63.00	27.00
331	6.00	69.00	29.00
332	6.00	75.00	31.00
333	5.75	80.75	32.75
334	5.50	86.25	34.25
Estimated Deg. Days (C) for Nov/81 = 184.32			
335	5.17	91.42	35.42
336	5.00	96.42	36.42
337	5.00	101.42	37.42
338	5.00	106.42	38.42
339	5.00	111.42	39.42
340	5.00	116.42	40.42
341	5.00	121.42	41.42
342	5.33	126.75	42.75
343	5.50	132.25	44.25
344	5.50	137.75	45.75
345	5.50	143.25	47.25
346	5.33	148.58	48.58
347	5.00	153.58	49.58
348	4.75	158.33	50.33
349	4.50	162.83	50.83
350	4.50	167.33	51.33
351	4.50	171.83	51.83
352	4.50	176.33	52.33
353	4.50	180.83	52.83
354	4.50	185.33	53.33
355	4.25	189.58	53.58
356	4.00	193.58	53.58
357	4.00	197.58	53.58
358	4.00	201.58	53.58
359	3.75	205.33	53.58
360	3.83	208.67	53.58
361	2.92	211.58	53.58
362	2.50	214.08	53.58
363	3.00	217.08	53.58
364	3.00	220.08	53.58
365	3.00	223.08	53.58
Total Deg. Days (C) for Dec/81 = 136.83			

SPENCERS COVE - PLACENTIA BAY NFLD ... continued

Station	Depth	Latitude	Longitude	Start
838	9.0	47.67	54.08	Nov 18, 1981 18:00 GMT

Day Number	Mean Temp.	Deg. Day (3)	Deg. Day (4)
1	3.00	226.08	53.58
2	2.75	228.83	53.58
3	2.50	231.33	53.58
4	2.50	233.83	53.58
5	2.50	236.33	53.58
6	2.50	238.83	53.58
7	2.50	241.33	53.58
8	2.33	243.67	53.58
9	1.92	245.58	53.58
10	1.50	247.08	53.58
11	1.50	248.58	53.58
12	1.50	250.08	53.58
13	1.50	251.58	53.58
14	1.00	252.58	53.58
15	1.75	254.33	53.58
16	1.67	256.00	53.58
17	1.50	257.50	53.58
18	1.25	258.75	53.58
19	.50	259.25	53.58
20	.50	259.75	53.58
21	.50	260.25	53.58
22	.50	260.75	53.58
23	.50	261.25	53.58
24	0.00	261.25	53.58
25	0.00	261.25	53.58
26	0.00	261.25	53.58
27	0.00	261.25	53.58
28	0.00	261.25	53.58
29	0.00	261.25	53.58
30	0.00	261.25	53.58
31	0.00	261.25	53.58

Total Deg. Days (3) for Jan/82 = 38.17

32	0.00	261.25	53.58
33	0.00	261.25	53.58
34	0.00	261.25	53.58
35	0.00	261.25	53.58
36	0.00	261.25	53.58
37	0.00	261.25	53.58
38	0.00	261.25	53.58
39	-.24	261.25	53.58
40	-.49	261.25	53.58
41	-.74	261.25	53.58
42	-.49	261.25	53.58
43	-.49	261.25	53.58
44	-.82	261.25	53.58
45	-.82	261.25	53.58
46	-.74	261.25	53.58
47	-.99	261.25	53.58

SPENCERS COVE - PLACENTIA BAY NFLD ... continued

Station	Depth	Latitude	Longitude	Start
838	9.0	47.67	54.08	Nov 16, 1981 18:00 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
48	-.99	261.25	53.58
49	-.99	261.25	53.58
50	-1.32	261.25	53.58
51	-1.49	261.25	53.58
52	-1.24	261.25	53.58
53	-.99	261.25	53.58
54	-.49	261.25	53.58
55	-.49	261.25	53.58
56	-.82	261.25	53.58
57	-1.24	261.25	53.58
58	-1.49	261.25	53.58
59	-1.49	261.25	53.58

Total Deg. Days (C) for Feb/82 = 0.00

60	-1.49	261.25	53.58
61	-1.49	261.25	53.58
62	-1.49	261.25	53.58
63	-1.49	261.25	53.58
64	-1.49	261.25	53.58
65	-1.49	261.25	53.58
66	-1.49	261.25	53.58
67	-1.49	261.25	53.58
68	-.99	261.25	53.58
69	-.99	261.25	53.58
70	-.99	261.25	53.58
71	-.99	261.25	53.58
72	-.99	261.25	53.58
73	-.99	261.25	53.58
74	-.99	261.25	53.58
75	-.99	261.25	53.58
76	-.99	261.25	53.58
77	-.99	261.25	53.58
78	-.99	261.25	53.58
79	-.99	261.25	53.58
80	-.99	261.25	53.58
81	-.99	261.25	53.58
82	-.99	261.25	53.58
83	-.99	261.25	53.58
84	-.99	261.25	53.58
85	-.91	261.25	53.58
86	-.49	261.25	53.58
87	-.49	261.25	53.58
88	-.49	261.25	53.58
89	-.99	261.25	53.58
90	-.91	261.25	53.58

Total Deg. Days (C) for Mar/82 = 0.00

91	-.49	261.25	53.58

SPENCERS COVE - PLACENTIA BAY NFLD ... continued

Station	Depth	Latitude	Longitude	Start
838	9.3	47.67	54.08	Nov 16, 1981 18:00 GMT

Day Number	Mean Temp.	Deg. Day (D)	Deg. Day (A)
92	-.49	261.25	53.58
93	-.49	261.25	53.58
94	-.49	261.25	53.58
95	-.49	261.25	53.58
96	-.49	261.25	53.58
97	-.49	261.25	53.58
98	-.49	261.25	53.58
99	-.49	261.25	53.58
100	-.49	261.25	53.58
101	-.49	261.25	53.58
102	-.49	261.25	53.58
103	-.49	261.25	53.58
104	-.41	261.25	53.58
105	0.00	261.25	53.58
106	0.00	261.25	53.58
107	0.00	261.25	53.58
108	0.00	261.25	53.58
109	0.00	261.25	53.58
110	.50	261.75	53.58
111	.50	262.25	53.58
112	.92	263.17	53.58
113	1.00	264.17	53.58
114	.75	264.92	53.58
115	1.00	265.92	53.58
116	1.17	267.08	53.58
117	1.08	268.17	53.58
118	1.42	269.58	53.58
119	2.00	271.58	53.58
120	1.50	273.08	53.58

Total Deg. Days (D) for Apr/82 = 11.83

121	1.25	274.33	53.58
122	1.08	275.42	53.58
123	1.42	276.83	53.58
124	1.50	278.33	53.58
125	1.50	279.83	53.58
126	1.42	281.25	53.58
127	1.17	282.42	53.58
128	1.00	283.42	53.58
129	.25	283.67	53.58
130	0.00	283.67	53.58
131	.50	284.17	53.53

Estimated Deg. Days (D) for May/82 = 31.23

SPENCERS COVE - PLACENTIA BAY NFLD

Station	Depth	Latitude	Longitude	Start
83C	9.3	47.67	54.08	May 11, 1982 16:35 GMT

Day Number	Mean Temp.	Deg. Day (3)	Deg. Day (4)
131	3.00	3.00	0.00
132	1.58	4.58	0.00
133	1.00	5.58	0.00
134	1.00	6.58	0.00
135	1.00	7.58	0.00
136	1.17	8.75	0.00
137	1.83	10.58	0.00
138	2.00	12.58	0.00
139	1.75	14.33	0.00
140	1.83	16.17	0.00
141	2.67	18.83	0.00
142	3.00	21.83	0.00
143	3.17	25.00	0.00
144	3.67	28.67	0.00
145	3.75	32.42	0.00
146	4.00	36.42	0.00
147	4.00	40.42	0.00
148	3.33	43.75	0.00
149	3.83	47.58	0.00
150	4.08	51.67	0.00
151	4.33	56.00	0.00

Estimated Deg. Days (0) for May/82 = 78.91

152	3.58	59.58	.32
153	4.83	64.42	.50
154	4.50	68.92	1.00
155	5.42	74.33	2.42
156	6.00	80.33	4.42
157	6.00	86.33	6.42
158	6.25	92.58	8.67
159	6.17	98.75	10.83
160	5.17	103.92	12.00
161	4.00	107.92	12.00
162	5.00	112.92	13.00
163	6.25	119.17	15.25
164	6.58	125.75	17.83
165	8.00	133.75	21.83
166	7.33	141.08	25.17
167	6.33	147.42	27.50
168	6.92	154.33	30.42
169	7.17	161.50	33.58
170	7.75	169.25	37.33
171	4.42	173.67	37.75
172	5.17	178.83	38.92
173	6.75	185.58	41.67
174	7.08	192.67	44.75
175	7.50	200.17	48.25
176	7.33	207.50	51.58
177	7.50	215.00	55.08

SPENCERS COVE - PLACENTIA BAY NFLD ... continued

Station	Deptn	Latitude	Longitude	Start
83C	9.0	47.07	54.08	May 11, 1982 16:35 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
178	7.08	222.08	58.17
179	8.17	230.25	62.33
180	8.50	238.75	66.83
181	8.83	247.08	71.17
Total Deg. Days (C) for June/82 =		191.08	
182	8.75	255.83	75.92
183	9.00	264.83	80.92
184	9.00	273.83	85.92
185	9.08	282.92	91.00
186	9.67	292.58	96.67
187	10.00	302.58	102.67
188	10.58	313.17	109.25
189	11.25	324.42	116.50
190	11.58	336.00	124.08
191	11.83	347.83	131.42
192	11.08	358.42	138.50
193	13.00	371.42	147.50
194	12.92	384.33	156.42
195	11.75	396.08	164.17
196	10.67	406.75	170.83
197	11.83	418.58	178.67
198	10.75	429.33	185.42
199	11.25	440.58	192.67
200	11.50	452.08	200.17
201	11.50	463.58	207.67
202	11.17	474.75	214.83
203	11.50	486.25	222.33
204	12.25	498.50	230.58
205	13.00	511.50	239.58
206	13.00	524.50	248.58
207	13.00	537.50	257.58
208	12.83	550.33	266.42
209	13.00	563.33	275.42
210	13.00	576.33	284.42
211	13.00	589.33	293.42
212	13.00	602.33	302.42
Total Deg. Days (C) for July/82 =		355.25	
213	13.75	616.08	312.17
214	13.58	629.67	321.75
215	13.67	643.33	331.42
216	14.00	657.33	341.42
217	13.17	670.50	350.58
218	13.92	684.42	360.50
219	14.33	698.75	370.83
220	14.75	713.50	381.58
221	15.00	728.50	392.58

SPENCERS COVE - PLACENTIA BAY NFLD ... continued

Station	Depth	Latitude	Longitude	Start
83C	9.0	47.67	54.08	May 11, 1982 15:35 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
222	15.00	743.50	403.58
223	15.00	758.50	414.58
224	15.08	773.58	425.67
225	15.50	789.08	437.17
226	15.25	804.33	448.42
227	15.25	819.58	459.67
228	16.00	835.58	471.67
229	16.00	851.58	483.67
230	15.67	867.25	495.33
231	16.00	883.25	507.33
232	16.00	899.25	519.33
233	15.75	915.00	531.08
234	15.67	930.67	542.75
235	16.00	946.67	554.75
236	16.00	962.67	566.75
237	16.00	978.67	578.75
238	16.00	994.67	590.75
239	16.00	1010.67	602.75
240	16.00	1026.67	614.75
241	16.00	1042.67	626.75
242	16.00	1058.67	638.75
243	16.00	1074.67	650.75

Total Deg. Days (C) for Aug/82 = 472.33

244	15.83	1090.50	662.58
245	15.50	1106.00	674.08
246	15.50	1121.50	685.58
247	15.50	1137.00	697.08
248	15.58	1152.58	708.67
249	16.00	1168.58	720.67
250	15.33	1183.92	732.00
251	15.00	1198.92	743.00
252	15.00	1213.92	754.00
253	15.00	1228.92	765.00
254	14.67	1243.58	775.67
255	14.17	1257.75	785.83
256	14.75	1272.50	796.58
257	15.00	1287.50	807.58
258	14.25	1301.75	817.83
259	14.00	1315.75	827.83
260	14.00	1329.75	837.83
261	14.00	1343.75	847.83
262	14.00	1357.75	857.83
263	14.00	1371.75	867.83
264	14.00	1385.75	877.83
265	14.00	1399.75	887.83
266	14.00	1413.75	897.83
267	14.00	1427.75	907.83
268	14.00	1441.75	917.83

SPENCERS COVE - PLACENTIA BAY NFLD ... continued

Station	Depth	Latitude	Longitude	Start
83C	9.0	47.67	54.08	May 11, 1982 16:35 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
269	14.00	1453.75	947.83
270	14.00	1469.75	937.83
271	14.00	1483.75	947.83
272	13.58	1497.33	957.42
273	13.00	1510.33	966.42
Total Deg. Days (C) for Sept/82 =		435.57	
274	13.00	1523.33	975.42
275	11.17	1534.50	982.58
276	7.50	1542.00	986.08
277	7.67	1549.67	989.75
278	9.42	1559.08	995.17
279	10.00	1569.08	1001.17
280	9.42	1578.50	1006.58
281	9.00	1587.50	1011.58
282	9.00	1596.50	1016.58
283	9.00	1605.50	1021.58
284	9.00	1614.50	1026.58
285	9.00	1623.50	1031.58
286	9.00	1632.50	1036.58
287	9.00	1641.50	1041.58
288	9.00	1650.50	1046.58
289	9.00	1659.50	1051.58
290	9.00	1668.50	1056.58
291	9.00	1677.50	1061.58
292	9.00	1686.50	1066.58
293	9.00	1695.50	1071.58
294	9.00	1704.50	1076.58
295	9.00	1713.50	1081.58
296	8.58	1722.08	1086.17
297	8.17	1730.25	1090.33
298	8.00	1738.25	1094.33
299	8.00	1746.25	1098.33
300	8.00	1754.25	1102.33
301	8.00	1762.25	1106.33
302	8.00	1770.25	1110.33
303	8.00	1778.25	1115.67
Estimated Deg. Days (C) for Oct/82 =		270.85	

SPENCERS COVE - PLACENTIA BAY NFLD

Station	Depth	Latitude	Longitude	Start
830	9.0	47.67	54.08	May 10, 1982 16:30 GMT

Day Number	Mean Temp.	Degs. Day (3)	Degs. Day (4)
130	2.100	2.00	0.00
131	.133	2.13	0.00
132	0.100	2.35	0.00
133	0.100	2.33	0.00
134	0.100	2.33	0.00
135	0.100	2.33	0.00
136	.167	3.00	0.00
137	1.100	4.00	0.00
138	.142	4.42	0.00
139	.100	4.50	0.00
140	1.100	5.50	0.00
141	1.150	7.00	0.00
142	1.150	8.50	0.00
143	2.100	10.50	0.00
144	2.150	13.00	0.00
145	2.150	15.50	0.00
146	2.175	18.25	0.00
147	3.100	21.25	0.00
148	2.125	23.50	0.00
149	2.150	26.00	0.00
150	2.167	28.67	0.00
151	3.100	31.67	0.00

Estimated Degs. Days (3) for May/82 = 42.33

152	2.150	34.17	0.00
153	3.133	37.30	0.00
154	3.167	41.17	0.00
155	3.192	45.08	0.00
156	4.150	49.58	0.00
157	4.158	54.17	0.00
158	4.192	59.08	.42
159	5.117	64.25	1.50
160	3.183	68.08	1.67
161	2.167	70.75	1.67
162	3.167	74.14	2.67
163	4.183	78.95	2.50
164	5.100	83.95	3.50
165	7.100	90.95	6.50
166	8.125	97.20	8.75
167	4.158	101.78	9.33
168	5.158	107.37	10.92
169	5.167	113.03	12.58
170	6.192	119.95	15.50
171	3.125	123.20	15.67
172	3.150	126.70	15.83
173	5.133	132.03	17.17
174	6.100	138.03	19.17
175	6.100	144.03	21.17
176	6.100	150.03	23.17

SPENCERS COVE - PLACENTIA BAY NFLD ... continued

Station	Depth	Latitude	Longitude	Start
830	9.0	47.07	54.08	May 10, 1982 15:35 GMT

Day Number	Mean Temp.	Degs. Day (D)	Degs. Day (A)
177	6.17	150.20	25.83
178	5.83	156.03	27.17
179	6.58	162.62	29.75
180	7.00	169.62	32.75
181	7.00	176.62	35.75

Total Degs. Days (D) for June/82 = 150.95

182	7.17	183.79	38.92
183	7.58	191.37	42.50
184	7.92	199.28	46.42
185	7.58	206.87	50.00
186	7.92	214.78	53.92
187	8.50	223.28	58.42
188	8.67	231.95	63.00
189	9.67	241.62	68.75
190	10.00	251.62	74.75
191	9.83	261.45	80.58
192	9.92	271.37	86.50
193	11.50	282.87	93.50
194	12.00	294.87	101.50
195	10.58	305.45	108.08
196	9.33	314.78	113.42
197	10.17	324.95	119.58
198	9.33	334.28	124.92
199	10.00	344.28	130.92
200	10.00	354.28	136.92
201	10.00	364.28	142.92
202	10.00	374.28	148.92
203	10.08	384.37	155.00
204	10.92	395.28	161.92
205	11.08	406.37	169.00
206	12.00	418.37	177.00
207	11.83	430.20	184.83
208	11.42	441.62	192.25
209	11.17	452.78	199.42
210	11.50	464.28	206.92
211	11.50	475.78	214.42
212	11.42	487.20	221.83

Total Degs. Days (D) for July/82 = 310.08

213	12.08	499.28	229.92
214	12.17	511.45	238.08
215	12.00	523.45	246.08
216	12.50	535.95	254.58
217	11.67	547.62	262.25
218	11.92	559.53	270.17
219	13.00	572.53	279.17
220	13.00	585.53	288.17
221	13.42	598.95	297.58
222	13.50	612.45	307.08
223	13.08	625.53	316.17
224	13.50	639.03	325.67
225	14.00	653.03	335.67

SPENCERS COVE - PLACENTIA BAY NFLD ... continued

Station	Depth	Latitude	Longitude	Start
83D	9.0	47.07	54.08	May 10, 1982 10:35 GMT

Day Number	Mean Temp.	Degs Day (J)	Degs Day (4)
226	14.00	672.53	345.67
227	14.00	686.53	355.67
228	14.00	700.53	365.67
229	14.42	714.95	376.08
230	14.17	729.12	386.25
231	14.00	743.12	396.25
232	14.00	757.12	406.25
233	14.00	771.12	416.25
234	14.00	785.12	426.25
235	14.00	799.12	436.25
236	14.42	813.53	446.67
237	14.50	828.03	457.17
238	14.50	842.53	467.67
239	14.50	857.03	478.17
240	14.50	871.53	488.67
241	14.00	885.53	498.67
242	14.00	899.53	508.67
243	14.00	913.53	518.67

Total Degs Days (J) for Aug/82 = 420.33

244	14.00	927.53	528.67
245	14.00	941.53	538.67
246	14.00	955.53	548.67
247	14.00	969.53	558.67
248	14.00	983.53	568.67
249	14.00	997.53	578.67
250	13.83	1011.37	588.50
251	13.25	1024.62	597.75
252	13.00	1037.62	606.75
253	13.00	1050.62	615.75
254	13.00	1063.62	624.75
255	12.75	1076.37	633.50
256	13.00	1089.37	642.50
257	13.50	1102.87	652.00
258	13.00	1115.87	661.00
259	12.50	1128.37	669.50
260	12.83	1141.20	678.33
261	12.67	1153.87	687.00
262	13.00	1166.87	696.00
263	12.75	1179.62	704.75
264	12.50	1192.12	713.25
265	12.50	1204.62	721.75
266	12.50	1217.12	730.25
267	12.50	1229.62	738.75
268	12.50	1242.12	747.25
269	12.67	1254.78	755.92
270	12.50	1267.28	764.42
271	12.33	1279.62	772.75
272	12.00	1291.62	780.75
273	11.67	1303.28	788.42

Total Degs Days (J) for Sept/82 = 369.75

SPENCERS COVE - PLACENTIA BAY NFLD ... continued

Station	Depth	Latitude	Longitude	Start
830	9.0	47.67	54.08	May 10, 1982 10:35 GMT

Day Number	Mean Temp.	Deg. Day (3)	Deg. Day (4)
274	12.80	1314.76	745.92
275	10.33	1325.[illegible]	802.2[illegible]
276	7.25	1332.37	805.50
277	7.67	1340.63	809.17
278	8.50	1348.53	813.67
279	8.42	1356.95	818.00
280	6.00	1364.95	822.00
281	6.00	1372.95	827.00

ARNOLDS COVE NFLD

Station	Depth	Latitude	Longitude	Start
84A	9.0	47.75	54.00	Jan 26, 1982 15:19 GMT

Day Number	Mean Temp.	Deg. Day (3)	Deg. Day (4)
26	1.00	1.00	0.00
27	1.00	2.00	0.00
28	1.25	3.25	0.00
29	1.00	4.25	0.00
30	1.00	5.25	0.00
31	.75	6.00	0.00
32	.67	6.67	0.00
33	1.00	7.67	0.00
34	1.00	8.67	0.00
35	1.00	9.67	0.00
36	1.00	10.67	0.00
37	.67	11.33	0.00
38	.50	11.83	0.00
39	.25	12.08	0.00
40	0.00	12.08	0.00
41	0.00	12.08	0.00
42	0.00	12.08	0.00
43	0.00	12.08	0.00
44	0.00	12.08	0.00
45	-.49	12.08	0.00
46	-.41	12.08	0.00
47	-.41	12.08	0.00
48	-.16	12.08	0.00
49	0.00	12.08	0.00
50	0.00	12.08	0.00
51	0.00	12.08	0.00
52	-.32	12.08	0.00
53	-.49	12.08	0.00
54	1.00	13.08	0.00
55	1.00	14.08	0.00

Estimated Deg. Days (3) for Feb/82 = 9.43

ARNOLDS COVE NFLD

Station	Depth	Latitude	Longitude	Start
848	9.0	47.75	54.00	Jan 26, 1982 15:15 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
26	2.00	2.00	0.00
27	2.00	4.00	0.00
28	2.00	6.00	0.00
29	2.00	8.00	0.00
30	2.00	10.00	0.00
31	1.58	11.58	0.00
32	1.50	13.08	0.00
33	1.50	14.58	0.00
34	1.50	16.08	0.00
35	1.50	17.58	0.00
36	1.50	19.08	0.00
37	1.50	20.58	0.00
38	1.17	21.75	0.00
39	1.00	22.75	0.00
40	1.00	23.75	0.00
41	1.00	24.75	0.00
42	1.00	25.75	0.00
43	1.00	26.75	0.00
44	.92	27.67	0.00
45	.92	28.58	0.00
46	.50	29.08	0.00
47	.50	29.58	0.00
48	.42	30.00	0.00
49	0.00	30.00	0.00
50	0.00	30.00	0.00
51	0.00	30.00	0.00
52	0.00	30.00	0.00
53	.25	30.25	0.00
54	.50	30.75	0.00
55	.50	31.25	0.00
56	.17	31.42	0.00
57	0.00	31.42	0.00
58	0.00	31.42	0.00
59	0.00	31.42	0.00

Total Deg. Days (C) for Feb/82 = 19.83

60	0.00	31.42	0.00
61	0.00	31.42	0.00
62	0.00	31.42	0.00
63	0.00	31.42	0.00
64	0.00	31.42	0.00
65	0.00	31.42	0.00
66	0.00	31.42	0.00
67	0.00	31.42	0.00
68	0.00	31.42	0.00
69	0.00	31.42	0.00
70	0.00	31.42	0.00
71	0.00	31.42	0.00
72	0.00	31.42	0.00

ARNOLDS COVE NFLD ... continued

Station	Depth	Latitude	Longitude	Start
848	9.0	47.75	54.00	Jan 26, 1982 15:15 GMT

Day Number	Mean Temp.	Deg. Day (D)	Deg. Day (A)
73	0.00	31.42	0.00
74	0.00	31.42	0.00
75	0.00	31.42	0.00
76	0.00	31.42	0.00
77	0.00	31.42	0.00
78	0.00	31.42	0.00
79	0.00	31.42	0.00
80	0.00	31.42	0.00
81	0.00	31.42	0.00
82	0.00	31.42	0.00
83	0.00	31.42	0.00
84	0.00	31.42	0.00
85	.17	31.58	0.00
86	.58	32.17	0.00
87	1.00	33.17	0.00
88	1.00	34.17	0.00
89	1.00	35.17	0.00
90	1.00	36.17	0.00

Total Deg. Days (D) for Mar/82 = 4.75

91	1.00	37.17	0.00
92	1.00	38.17	0.00
93	1.00	39.17	0.00
94	1.00	40.17	0.00
95	1.00	41.17	0.00
96	1.00	42.17	0.00
97	1.00	43.17	0.00
98	1.00	44.17	0.00
99	1.00	45.17	0.00
100	1.00	46.17	0.00
101	1.00	47.17	0.00
102	1.00	48.17	0.00
103	1.00	49.17	0.00
104	1.00	50.17	0.00
105	1.00	51.17	0.00
106	1.00	52.17	0.00
107	1.00	53.17	0.00
108	1.00	54.17	0.00
109	1.17	55.33	0.00
110	1.50	56.83	0.00
111	1.50	58.33	

Estimated Deg. Days (D) for Apr/82 = 31.67

ARNOLDS COVE NFLD

Station	Deptn	Latitude	Longitude	Start
84C	9.0	47.75	54.00	Apr 21, 1982 17:50 GMT

Day Number	Mean Temp.	Deg. Day (0)	Deg. Day (4)
111	1.00	1.00	0.00
112	1.33	2.33	0.00
113	1.50	3.83	0.00
114	1.00	4.83	0.00
115	1.00	5.83	0.00
116	1.67	7.50	0.00
117	1.83	9.33	0.00
118	1.50	10.83	0.00
119	1.17	12.00	0.00
120	1.00	13.00	0.00
			0.00
Estimated Deg. Days (0) for Apr/82 =		35.45	
121	1.92	14.92	0.00
122	2.17	17.08	0.00
123	1.75	18.83	0.00
124	1.00	19.83	0.00
125	.83	20.67	0.00
126	.50	21.17	0.00
127	.50	21.67	0.00
128	.75	22.42	0.00
129	.67	23.08	0.00
130	.50	23.58	0.00
131	.50	24.08	0.00
132	.08	24.17	0.00
133	0.00	24.17	0.00
134	.50	24.67	0.00
135	.50	25.17	0.00
136	.50	25.67	0.00
137	.75	26.42	0.00
138	1.00	27.42	0.00
139	.42	27.83	0.00
140	.17	28.00	0.00
141	.92	28.92	0.00
142	1.92	30.83	0.00
143	2.00	32.83	0.00
144	2.50	35.33	0.00
145	3.42	38.75	0.00
146	4.00	42.75	0.00
147	4.00	46.75	0.00
148	3.50	50.25	0.00
149	3.50	53.75	0.00
150	3.50	57.25	0.00
151	4.17	61.42	0.00
Total Deg. Days (0) for May/82 =		48.42	
152	4.42	65.83	0.00
153	3.83	69.67	0.00
154	3.50	73.17	0.00

ARNOLDS COVE NFLD ... continued

Station	Depth	Latitude	Longitude	Start
84C	9.0	47.75	54.00	Apr 21, 1982 17:30 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
155	5.00	78.17	0.00
156	5.17	83.33	.33
157	5.58	88.92	1.92
158	5.67	94.58	3.58
159	5.67	100.25	5.25
160	6.25	106.50	7.50
161	5.58	112.08	9.08
162	3.33	115.42	9.08
163	3.00	118.42	9.08
164	3.00	121.42	9.08
165	3.92	125.33	9.17
166	6.67	132.00	11.83
167	7.25	139.25	15.08
168	3.50	142.75	15.25
169	5.42	148.17	16.75
170	5.83	154.00	18.58
171	8.00	162.00	22.58
172	5.42	167.42	24.33
173	3.00	170.42	24.33
174	3.67	174.08	24.33
175	5.67	179.75	26.00
176	6.92	186.67	28.92
177	6.92	193.58	31.83
178	6.67	200.25	34.50
179	7.00	207.25	37.50
180	7.00	214.25	40.50
181	7.83	222.08	44.33

Total Deg. Days (C) for June/82 = 160.67

182	8.00	230.08	48.33
183	8.00	238.08	52.33
184	8.50	246.58	56.83
185	8.67	255.25	61.50
186	9.00	264.25	66.50
187	9.25	273.50	71.75
188	10.00	283.50	77.75
189	10.00	293.50	83.75
190	10.00	303.50	89.75
191	10.50	314.00	96.25
192	10.58	324.58	102.83
193	10.00	334.58	108.83
194	10.50	345.08	115.33
195	10.83	355.92	122.17
196	12.75	368.67	130.92
197	9.92	378.58	136.83
198	9.42	388.00	142.25
199	8.17	396.17	146.42
200	9.75	405.92	152.17
201	10.67	416.58	158.83

ARNOLDS COVE NFLD ... continued

Station	Depth	Latitude	Longitude	Start
84C	9.0	47.75	54.00	Apr 21, 1982 17:50 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
202	11.00	427.58	165.83
203	11.00	438.58	172.83
204	10.83	449.42	179.67
205	10.58	460.00	186.25
206	10.75	470.75	193.00
207	10.50	481.25	199.50
208	10.50	491.75	206.00
209	10.67	502.42	212.67
210	10.50	512.92	219.17
211	11.58	524.50	226.75
212	12.25	536.75	235.00
Total Deg. Days (C) for July/82 =		314.57	
213	12.25	549.00	243.25
214	12.50	561.50	251.75
215	13.33	574.83	261.08
216	13.33	588.17	270.42
217	13.00	601.17	279.42
218	12.25	613.42	287.67
219	12.33	625.75	296.00
220	13.92	639.67	305.92
221	14.00	653.67	315.92
222	14.00	667.67	325.92
223	15.25	682.92	337.17
224	14.83	697.75	348.00
225	14.50	712.25	358.50
226	14.58	726.83	369.08
227	15.17	742.00	380.25
228	15.42	757.42	391.67
229	15.17	772.58	402.83
230	15.83	788.42	414.67
231	15.33	803.75	426.00
232	15.00	818.75	437.00
233	15.92	834.67	448.92
234	15.42	850.08	460.33
235	15.00	865.08	471.33
236	15.33	880.42	482.67
237	15.50	895.92	494.17
238	15.83	911.75	506.00
239	16.00	927.75	518.00
240	16.00	943.75	530.00
241	15.83	959.58	541.83
242	15.50	975.08	553.33
243	15.50	990.58	564.83
Total Deg. Days (C) for Aug/82 =		453.33	
244	15.75	1006.33	576.58
245	15.50	1021.83	588.08

ARNOLDS COVE NFLD ... continued

Station	Depth	Latitude	Longitude	Start
84C	9.0	47.75	54.00	Apr 21, 1982 17:50 GMT

Day Number	Mean Temp.	Deg. Day (0)	Deg. Day (4)
246	15.50	1057.33	599.50
247	15.50	1072.83	611.00
248	15.50	1088.33	622.50
249	15.50	1103.83	634.00
250	15.50	1119.33	645.50
251	13.33	1132.67	654.92
252	12.42	1145.08	663.33
253	14.33	1159.42	673.67
254	14.00	1173.42	683.67
255	14.00	1187.42	693.67
256	14.00	1201.42	703.67
257	14.00	1215.42	713.67

Estimated Deg. Days (0) for Sept/82 = 430.93

ARNOLDS COVE AFLD

Station	Depth	Latitude	Longitude	Start
840	9.0	47.75	54.00	Apr 22, 1982 15:00 GMT

Day Number	Mean Temp.	Degr. Day (3)	Degr. Day (4)
112	1.00	1.00	0.00
113	1.00	2.00	0.00
114	1.00	3.00	0.00
115	.75	3.75	0.00
116	1.83	5.58	0.00
117	1.42	7.00	0.00
118	1.83	8.83	0.00
119	1.00	9.83	0.00
120	1.00	10.83	0.00

Estimated Degr. Days (3) for Apr/82 = 31.00

121	2.17	12.50	0.00
122	1.75	14.25	0.00
123	1.08	15.33	0.00
124	.50	15.83	0.00
125	.50	16.33	0.00
126	0.00	16.33	0.00
127	.17	16.50	0.00
128	.42	16.92	0.00
129	0.00	16.92	0.00
130	0.00	16.92	0.00
131	0.00	16.92	0.00
132	-.24	16.92	0.00
133	0.00	16.92	0.00
134	0.00	16.92	0.00
135	0.00	16.92	0.00
136	.08	17.00	0.00
137	.50	17.50	0.00
138	.50	18.00	0.00
139	.08	18.17	0.00
140	.08	18.25	0.00
141	1.17	19.42	0.00
142	2.00	21.42	0.00
143	2.00	23.42	0.00
144	2.33	25.75	0.00
145	3.17	28.92	0.00
146	3.58	32.50	0.00
147	3.56	36.06	0.00
148	3.00	39.06	0.00
149	3.00	42.06	0.00
150	3.42	45.50	0.00
151	3.67	49.17	0.00

Total Degr. Days (3) for May/82 = 30.33

152	4.00	53.17	0.00
153	3.50	56.67	0.00
154	3.00	59.67	0.00
155	4.83	64.50	.17
156	5.00	69.50	1.17
157	5.42	74.92	2.58

ARNOLDS COVE NFLD ... continued

Station	Depth	Latitude	Longitude	Start
84D	9.0	47.75	54.00	Apr 22, 1982 15:00 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
158	5.50	80.42	4.08
159	5.25	85.67	5.33
160	6.25	91.92	7.58
161	5.50	97.42	9.08
162	3.17	100.58	9.00
163	2.83	103.42	9.00
164	3.00	106.42	9.08
165	3.58	110.00	9.08
166	6.08	116.08	11.17
167	7.00	123.08	14.17
168	3.50	126.58	14.50
169	4.75	131.33	15.50
170	5.50	136.83	17.00
171	7.42	144.25	20.42
172	5.83	150.08	22.42
173	2.75	152.83	22.42
174	3.42	156.25	22.42
175	5.50	161.75	23.92
176	6.75	168.50	25.67
177	6.42	174.92	29.08
178	6.42	181.33	31.50
179	6.25	187.58	33.75
180	6.50	194.08	36.25
181	8.00	202.08	40.25

Total Deg. Days (C) for June/82 = 152.92

182	8.00	210.08	44.25
183	8.00	218.08	48.25
184	8.33	226.42	52.58
185	8.50	234.92	57.08
186	8.58	243.50	61.67
187	9.17	252.67	66.83
188	9.67	262.33	72.50
189	9.50	271.83	78.00
190	10.00	281.83	84.00
191	10.00	291.83	90.00
192	10.25	302.08	96.25
193	9.67	311.75	101.92
194	10.17	321.92	108.08
195	11.08	333.00	115.17
196	12.08	345.08	123.25
197	8.25	353.33	127.50
198	8.00	361.33	131.50
199	8.17	369.50	135.67
200	9.67	379.17	141.33
201	10.17	389.33	147.50
202	10.50	399.83	154.00
203	10.50	410.33	160.50
204	10.17	420.50	166.67
205	10.25	430.75	172.92
206	11.00	441.75	179.92
207	11.00	452.75	186.92

ARNOLDS COVE NFLD ... continued

Station	Depth	Latitude	Longitude	Start
840	9.0	47.75	54.00	Apr 22, 1982 15:00 GMT

Day Number	Mean Temp.	Degr. Day (C)	Degr. Day (F)
208	11.00	463.75	193.92
209	10.08	473.83	200.00
210	10.00	483.83	206.00
211	11.75	495.58	213.75
212	11.83	507.42	221.50

Total Degr. Days (C) for July/82 = 305.33

213	11.92	519.33	229.50
214	12.17	531.50	237.67
215	13.00	544.50	246.67
216	13.00	557.50	255.67
217	12.58	570.08	264.25
218	12.00	582.08	272.25
219	12.42	594.50	280.67
220	13.67	608.17	290.33
221	13.50	621.67	299.83
222	13.75	635.42	309.58
223	14.83	650.25	320.42
224	14.33	664.58	330.75
225	14.17	678.75	340.92
226	14.33	693.08	351.25
227	15.00	708.08	362.25
228	15.00	723.08	373.25
229	15.08	738.17	384.33
230	15.25	753.42	395.58
231	14.75	768.17	406.33
232	14.83	783.00	417.17
233	15.50	798.50	428.67
234	14.92	813.42	439.58
235	14.50	827.92	450.08
236	15.00	842.92	461.08
237	15.42	858.33	472.50
238	15.50	873.83	484.00
239	15.83	889.67	495.83
240	15.58	905.25	507.42
241	15.67	920.92	519.08
242	15.17	936.08	530.25
243	15.08	951.17	541.33

Total Degr. Days (C) for Aug/82 = 443.75

244	15.47	966.33	552.50
245	15.00	981.33	563.50
246	15.00	996.33	574.50
247	15.00	1011.33	585.50
248	15.00	1026.33	596.50
249	15.00	1041.33	607.50
250	15.00	1056.33	618.50
251	11.08	1067.42	625.58
252	13.50	1080.92	635.08

ARNOLDS COVE NFLD ... continued

Station	Depth	Latitude	Longitude	Start
840	9.0	47.75	54.00	Apr 22, 1982 15:00 GMT

Day Number	Mean Temp.	Deg. Day (3)	Deg. Day (4)
253	14.00	1094.92	645.08
254	14.00	1108.92	659.08
255	13.92	1122.83	665.00
256	13.58	1136.42	674.58
257	14.00	1150.42	685.12

Estimated Deg. Days (3) for Sept/82 = 426.96

GARDEN COVE NFLD

Station	Depth	Latitude	Longitude	Start
85A	10.0	47.84	54.16	Apr 16, 1982 17:25 GMT

Day Number	Mean Temp.	Deg. Day (D)	Deg. Day (4)
106	1.00	1.00	0.00
107	0.00	1.00	0.00
108	0.00	1.00	0.00
109	0.00	1.00	0.00
110	0.00	1.00	0.00
111	0.00	1.00	0.00
112	.33	1.33	0.00
113	.50	1.83	0.00
114	0.00	1.83	0.00
115	0.00	1.83	0.00
116	0.00	1.83	0.00
117	.67	2.50	0.00
118	1.00	3.50	0.00
119	.92	4.42	0.00
120	.50	4.92	0.00

Estimated Deg. Days (D) for Apr/82 = 9.22

121	.33	5.25	0.00
122	.50	5.75	0.00
123	.50	6.25	0.00
124	.33	6.58	0.00
125	.08	6.67	0.00
126	0.00	6.67	0.00
127	0.00	6.67	0.00
128	0.00	6.67	0.00
129	0.00	6.67	0.00
130	-.16	6.67	0.00
131	-.41	6.67	0.00
132	-.49	6.67	0.00
133	-.49	6.67	0.00
134	0.00	6.67	0.00
135	0.00	6.67	0.00
136	-.32	6.67	0.00
137	-.49	6.67	0.00
138	-.24	6.67	0.00
139	-.49	6.67	0.00
140	-.66	6.67	0.00
141	-.24	6.83	0.00
142	-.24	6.83	0.00
143	.50	7.33	0.00
144	.58	7.92	0.00
145	1.17	9.08	0.00
146	2.00	11.08	0.00
147	2.00	13.08	0.00
148	2.00	15.08	0.00
149	2.00	17.08	0.00
150	2.00	19.08	0.00
151	2.42	21.50	0.00

Total Deg. Days (D) for May/82 = 16.58

GARDEN COVE NFLD ... continued

Station	Depth	Latitude	Longitude	Start
85A	10.0	47.84	54.16	Apr 16, 1982 17:25 GMT

Day Number	Mean Temp.	Deg. Day (0)	Deg. Day (4)
152	3.00	24.50	0.00
153	2.83	27.33	0.00
154	2.92	30.25	0.00
155	2.92	33.17	0.00
156	3.33	36.50	0.00
157	4.42	40.92	0.00
158	4.75	45.67	0.00
159	5.00	50.67	0.00
160	5.08	55.75	.75
161	5.67	61.42	2.42
162	4.67	66.08	3.08
163	5.08	71.17	4.17
164	4.00	75.17	4.42
165	4.33	79.50	4.83
166	5.17	84.67	6.00
167	5.75	90.42	7.75
168	5.83	96.25	9.58
169	5.00	101.25	10.58
170	5.17	106.42	11.75
171	6.75	113.17	14.50
172	5.92	119.08	16.42
173	3.83	122.92	16.58
174	3.67	126.58	16.58
175	5.67	132.25	18.25
176	6.50	138.75	20.75
177	6.17	144.92	22.92
178	6.00	150.92	24.92
179	5.67	156.58	26.58
180	5.50	162.08	28.08
181	6.17	168.25	30.25

Total Deg. Days (0) for June/82 = 146.75

182	6.83	175.08	33.08
183	7.00	182.08	36.08
184	7.33	189.42	39.42
185	7.50	196.92	42.92
186	7.50	204.42	46.42
187	7.50	211.92	49.92
188	7.75	219.67	53.67
189	8.00	227.67	57.67
190	8.00	235.67	61.67
191	8.00	243.67	65.67
192	9.08	252.75	70.75
193	8.92	261.67	75.67
194	8.92	270.58	80.58
195	9.17	279.75	85.75
196	9.67	289.42	91.42
197	9.50	298.92	96.92
198	8.33	307.25	101.25

GARDEN COVE NFLD ... continued

Station	Depth	Latitude	Longitude	Start
85A	10.0	47.84	54.16	Apr 16, 1982 17:25 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
199	7.133	314.58	104.58
200	8.92	323.50	109.50
201	9.08	332.56	114.58
202	9.150	342.06	120.62

Estimated Deg. Days (C) for July/82 = 256.51

GARDEN COVE NFLD

Station	Depth	Latitude	Longitude	Start
858	10.0	47.64	54.16	Apr 16, 1982 17:25 GMT

Day Number	Mean Temp.	Deg. Day (J)	Deg. Day (4)
106	1.00	1.00	0.00
107	1.00	2.00	0.00
108	1.00	3.00	0.00
109	1.00	4.00	0.00
110	1.00	5.00	0.00
111	1.00	6.00	0.00
112	1.17	7.17	0.00
113	1.25	8.42	0.00
114	1.00	9.42	0.00
115	1.00	10.42	0.00
116	1.00	11.42	0.00
117	2.00	13.42	0.00
118	2.00	15.42	0.00
119	1.58	17.00	0.00
120	1.50	18.50	0.00

Estimated Deg. Days (J) for Apr/82 = 34.69

121	1.42	19.92	0.00
122	1.50	21.42	0.00
123	1.50	22.92	0.00
124	1.42	24.33	0.00
125	1.00	25.33	0.00
126	1.00	26.33	0.00
127	1.00	27.33	0.00
128	1.00	28.33	0.00
129	1.00	29.33	0.00
130	1.00	30.33	0.00
131	.75	31.08	0.00
132	0.00	31.08	0.00
133	.58	31.67	0.00
134	1.00	32.67	0.00
135	1.00	33.67	0.00
136	1.00	34.67	0.00
137	1.17	35.83	0.00
138	1.17	37.00	0.00
139	.75	37.75	0.00
140	.50	38.25	0.00
141	1.00	39.25	0.00
142	1.00	40.25	0.00
143	1.42	41.67	0.00
144	1.83	43.50	0.00
145	2.25	45.75	0.00
146	3.00	48.75	0.00
147	3.00	51.75	0.00
148	3.00	54.75	0.00
149	3.00	57.75	0.00
150	3.00	60.75	0.00
151	3.67	64.42	0.00

Total Deg. Days (0) for May/82 = 45.92

GARDEN COVE NFLD ... continued

Station	Deptn	Latitude	Longitude	Start
858	10.0	47.84	54.10	Apr 16, 1982 17:25 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
152	3.92	68.33	0.00
153	3.92	72.25	0.00
154	3.92	76.17	0.00
155	3.83	80.00	0.00
156	4.50	84.50	0.00
157	5.67	90.17	0.00
158	6.00	96.17	1.67
159	6.00	102.17	3.67
160	6.08	108.25	5.75
161	6.50	114.75	8.25
162	5.67	120.42	9.92
163	4.83	125.25	10.75
164	4.92	130.17	11.67
165	5.42	135.58	13.08
166	6.33	141.92	15.42
167	6.83	148.75	18.25
168	6.50	155.25	20.75
169	5.83	161.08	22.58
170	6.67	167.75	25.25
171	8.17	175.92	29.42
172	6.50	182.42	31.92
173	4.75	187.17	32.67
174	4.83	192.00	33.50
175	7.00	199.00	36.50
176	7.08	206.08	39.58
177	7.00	213.08	42.58
178	7.00	220.08	45.58
179	6.58	226.67	48.17
180	6.67	233.33	50.83
181	7.25	240.58	54.08

Total Deg. Days (C) for June/82 = 170.17

182	7.83	248.42	57.92
183	8.00	256.42	61.92
184	8.42	264.83	66.33
185	8.50	273.33	70.83
186	8.50	281.83	75.33
187	8.50	290.33	79.83
188	8.83	299.17	84.67
189	9.00	308.17	89.67
190	9.00	317.17	94.67
191	9.25	326.42	99.92
192	9.92	336.33	105.83
193	9.67	346.00	111.50
194	10.00	356.00	117.50
195	10.08	366.08	123.58
196	10.50	376.58	130.08
197	10.25	386.83	136.33
198	8.75	395.58	141.08

GARDEN COVE NFLD ... continued

Station	Deptn	Latitude	Longitude	Start
858	10.0	47.84	54.16	Apr 16, 1982 17:25 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
199	8.33	403.92	145.42
200	10.00	413.92	151.42
201	10.08	424.00	157.50
202	10.50	434.50	164.00
203	10.50	445.00	170.50
204	10.50	455.50	177.00
205	10.67	466.17	183.67
206	10.75	476.92	190.42
207	10.67	487.58	197.08
208	10.58	498.17	203.67
209	10.08	508.25	209.75
210	10.00	518.25	215.75
211	11.42	529.67	223.17
212	12.25	541.92	231.42

Total Deg. Days (C) for July/82 = 301.33

213	12.33	554.25	239.75
214	12.25	566.50	248.00
215	12.67	579.17	256.67
216	12.92	592.08	265.58
217	12.75	604.83	274.33
218	12.50	617.33	282.83
219	12.42	629.75	291.25
220	13.00	642.75	300.25
221	13.42	656.17	309.67
222	13.50	669.67	319.17

Estimated Deg. Days (C) for Aug/82 = 396.33

GARDEN COVE NFLD 315

Station	Deptn	Latitude	Longitude	Start
85C	10.0	47.64	54.16	Aug 19, 1982 16:30 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
231	16.00	16.00	12.00
232	15.50	31.50	23.50
233	15.50	47.17	35.17
234	15.92	63.08	47.08
235	16.00	79.00	59.08
236	15.75	94.83	70.83
237	15.00	109.83	81.83
238	15.17	125.00	93.00
239	15.67	140.67	104.67
240	15.75	156.42	116.42
241	15.67	172.08	128.08
242	16.00	188.08	140.08
243	16.00	204.08	152.08
Estimated Deg. Days (C) for Aug/82 = 451.90			
244	15.42	219.50	163.50
245	15.83	235.33	175.33
246	15.83	251.17	187.17
247	15.50	266.67	198.67
248	15.50	282.17	210.17
249	15.50	297.67	221.67
250	15.50	313.17	233.17
251	15.50	328.67	244.67
252	14.42	343.08	255.08
253	14.00	357.08	265.08
254	15.00	372.08	280.08
255	14.67	386.75	286.75
256	14.50	401.25	297.25
257	14.00	415.25	307.25
258	14.17	429.42	317.42
259	14.50	443.92	327.92
260	14.50	458.42	338.42
261	14.33	472.75	348.75
262	14.00	486.75	358.75
263	12.83	499.58	367.58
264	11.33	510.92	374.92
265	12.67	523.58	383.58
266	13.00	536.58	392.58
267	13.00	549.58	401.58
268	13.00	562.58	410.58
269	13.50	576.08	420.08
270	13.50	589.58	429.58
271	13.50	603.08	439.08
272	13.50	616.58	448.58
273	13.25	629.83	457.83
Total Deg. Days (C) for Sept/82 = 425.75			

GARDEN COVE NFLD ... continued

Station	Depth	Latitude	Longitude	Start
85C	10.0	47.84	54.16	Aug 19, 1982 10:30 GMT

Day Number	Mean Temp.	Deg. Day (3)	Deg. Day (4)
274	13.100	642.83	466.83
275	12.158	655.42	475.42
276	12.150	667.92	483.92
277	11.175	679.67	491.67
278	4.858	684.25	492.50
279	2.150	686.75	492.50
280	2.163	689.58	492.50
281	3.150	693.08	492.08

GARDEN COVE NFLD

Station	Deptn	Latitude	Longitude	Start
85D	10.0	47.84	54.16	Aug 19, 1982 17:30 GMT

Day Number	Mean Temp.	Deg. Day (0)	Deg. Day (4)
231	15.00	15.00	11.00
232	14.50	29.50	21.50
233	15.00	44.50	32.50
234	15.00	59.50	43.50
235	15.00	74.50	54.50
236	14.67	89.17	65.17
237	14.42	103.58	75.58
238	14.58	118.17	86.17
239	14.67	132.83	96.83
240	14.67	147.50	107.50
241	15.08	162.58	118.58
242	15.42	178.00	130.00
243	15.00	193.00	141.00
Estimated Deg. Days (0) for Aug/82 =		427.36	
244	14.75	207.75	151.75
245	15.00	222.75	162.75
246	15.00	237.75	173.75
247	15.00	252.75	184.75
248	15.00	267.75	195.75
249	15.00	282.75	206.75
250	15.00	297.75	217.75
251	15.00	312.75	228.75
252	13.58	326.33	238.33
253	13.25	339.58	247.58
254	14.00	353.58	257.58
255	14.00	367.58	267.58
256	13.92	381.50	277.50
257	13.50	395.00	287.00
258	13.92	408.92	296.92
259	14.00	422.92	306.92
260	14.00	436.92	316.92
261	13.75	450.67	326.67
262	13.58	464.25	336.25
263	12.08	476.33	344.33
264	11.33	487.67	351.67
265	12.17	499.83	359.83
266	12.50	512.33	368.33
267	12.50	524.83	376.83
268	12.58	537.42	385.42
269	13.00	550.42	394.42
270	13.00	563.42	403.42
271	13.00	576.42	412.42
272	13.00	589.42	421.42
273	13.00	602.42	430.42
Total Deg. Days (0) for Sept/82 =		409.42	
274	12.25	614.67	438.67

GARDEN COVE NFLD ... continued

Station	Deptn	Latitude	Longitude	Start
85D	10.0	47.84	54.16	Aug 19, 1982 17:30 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
275	12.00	626.67	440.67
276	12.00	638.67	454.67
277	11.00	649.67	461.67
278	3.67	653.33	462.00
279	1.83	655.17	462.50
280	1.83	657.00	462.00
281	5.92	662.92	464.08
282	8.00	670.92	468.08
283	8.00	678.92	472.08
284	8.00	686.92	476.08
285	8.00	694.92	480.08
286	8.00	702.92	484.08
287	8.00	710.92	488.08
288	8.00	718.92	492.08
289	8.00	726.92	496.08
290	8.00	734.92	500.08
291	8.00	742.92	504.08
292	8.00	750.92	508.08
293	8.00	758.92	512.08
294	8.00	766.92	516.08
295	8.00	774.92	520.08
296	8.00	782.92	524.08
297	8.00	790.92	528.08
298	7.92	798.83	532.00
299	7.50	806.33	535.50
300	7.50	813.83	539.00
301	7.50	821.33	542.50
302	7.50	828.83	546.00
303	7.50	836.33	549.50
304	7.50	843.83	553.00

Total Deg. Days (C) for Oct/82 = 241.42

305	7.50	851.33	556.50
306	7.50	858.83	560.00
307	7.42	866.25	563.42
308	7.00	873.25	566.42
309	7.00	880.25	569.42
310	7.00	887.25	572.42
311	7.50	894.75	575.92
312	7.50	902.25	579.42
313	7.50	909.75	582.92
314	7.50	917.25	586.42
315	7.00	924.25	589.42
316	7.00	931.25	592.42
317	7.00	938.25	595.42
318	7.00	945.25	598.42
319	7.00	952.25	601.42
320	7.00	959.25	604.42
321	7.00	966.25	607.42

GARDEN COVE NFLD ... continued

Station	Deptn	Latitude	Longitude	Start
850	10.0	47.84	54.10	Aug 19, 1982 17:30 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
322	6.67	972.92	610.08
323	6.83	979.25	612.42
324	6.00	985.25	614.42
325	6.00	991.25	616.42
326	6.00	997.25	618.42
327	6.00	1003.25	620.42
328	6.00	1009.25	622.42
329	6.00	1015.25	624.42
330	6.00	1021.25	626.42
331	6.00	1027.25	628.42
332	6.00	1033.25	630.42
333	6.00	1039.25	632.42
334	6.00	1045.25	634.42

Total Deg. Days (C) for Nov/82 = 201.42

335	6.00	1051.25	636.42
336	6.00	1057.25	638.42
337	6.00	1063.25	640.42
338	5.92	1069.17	642.33
339	5.50	1074.67	643.83
340	2.60	1077.27	644.13

LITTLE BAY MORTIER NFLD

Station	Deptn	Latitude	Longitude	Start
86A	6.0	47.16	55.11	Mar 7, 1982 12:00 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
66	-.24	0.00	0.00
67	-.49	0.00	0.00
68	-.49	0.00	0.00
69	-.41	0.00	0.00
70	0.00	0.00	0.00
71	-.16	0.00	0.00
72	0.00	0.00	0.00
73	-.07	0.00	0.00
74	-.32	0.00	0.00
75	0.00	0.00	0.00
76	0.00	0.00	0.00
77	0.00	0.00	0.00
78	0.00	0.00	0.00
79	0.00	0.00	0.00
80	-.49	0.00	0.00
81	-.49	0.00	0.00
82	-.24	0.00	0.00
83	0.00	0.00	0.00
84	0.00	0.00	0.00
85	0.00	0.00	0.00
86	0.00	0.00	0.00
87	0.00	0.00	0.00
88	0.00	0.00	0.00
89	0.00	0.00	0.00
90	.42	.25	

Estimated Deg. Days (C) for Mar/82 = .30

91	-.16	.25	0.00
92	0.00	.25	0.00
93	0.00	.25	0.00
94	0.00	.25	0.00
95	0.00	.25	0.00
96	0.00	.25	0.00
97	0.00	.25	0.00
98	0.00	.25	0.00
99	-.07	.25	0.00
100	-.41	.25	0.00
101	0.00	.25	0.00
102	0.00	.25	0.00
103	.08	.33	0.00
104	.67	1.00	0.00
105	.75	1.75	0.00
106	.50	2.25	0.00
107	.17	2.42	0.00
108	.50	2.92	0.00
109	.50	3.42	0.00
110	.75	4.17	0.00
111	.67	4.83	0.00
112	1.17	6.00	0.00

LITTLE BAY MORTIER NFLD ... continued

Station	Depth	Latitude	Longitude	Start
86A	6.0	47.16	55.11	Mar 7, 1982 12:00 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
113	.175	6.75	0.00
114	1.92	8.67	0.00
115	1.58	10.25	0.00
116	1.83	12.08	0.00
117	2.42	14.50	0.00
118	2.75	17.25	0.00
119	2.75	20.00	0.00
120	2.92	22.92	0.00

Total Deg. Days (C) for Apr/82 = 22.57

121	3.33	26.25	0.00
122	3.92	30.17	0.00
123	3.67	33.83	0.00
124	3.67	37.50	0.00
125	4.58	42.08	2.00
126	6.17	48.25	4.00
127	6.00	54.25	6.17
128	6.17	60.42	8.25
129	6.08	66.50	10.25
130	6.00	72.50	12.25
131	6.00	78.50	14.92
132	6.67	85.17	17.75
133	6.83	92.00	19.58
134	5.83	97.83	21.25
135	5.67	103.50	23.08
136	5.83	109.33	24.08
137	5.00	114.33	25.33
138	5.25	119.58	25.50
139	4.17	123.75	25.50
140	3.125	127.00	25.50
141	2.92	129.92	25.50
142	2.42	132.33	25.50
143	2.50	134.83	25.50
144	3.08	137.92	25.50
145	2.75	140.67	25.50
146	2.50	143.17	25.50
147	2.33	145.50	25.50
148	3.00	148.50	25.50
149	3.58	152.08	25.58
150	4.00	156.08	25.83
151	4.00	160.08	

Total Deg. Days (C) for May/82 = 137.17

152	4.92	165.00	26.75
153	5.42	170.42	28.17
154	5.67	176.08	29.83
155	6.33	182.42	32.17
156	6.67	189.08	34.83

LITTLE BAY MORTIER NFLD ... continued

Station	Deptn	Latitude	Longitude	Start
86A	6.0	47.16	55.11	Mar 7, 1982 12:00 GMT

Day Number	Mean Temp.	Deg. Day (0)	Deg. Day (4)
157	5.92	195.00	36.75
158	6.25	201.25	39.00
159	6.83	208.08	41.83
160	7.00	215.08	44.83
161	7.17	222.25	48.00
162	7.83	230.08	51.83
163	7.83	237.92	55.67
164	8.08	246.00	59.75
165	9.00	255.00	64.75
166	8.67	263.67	69.42
167	8.50	272.17	73.92
168	8.83	281.00	78.75
169	8.75	289.75	83.50
170	8.00	297.75	87.50
171	8.00	305.75	91.50
172	8.00	313.75	95.50
173	8.42	322.17	99.92
174	7.92	330.08	103.83
175	8.08	338.17	107.92
176	8.42	346.58	112.33
177	9.42	356.00	117.75
178	9.00	365.00	122.75
179	8.83	373.83	127.58
180	9.33	383.17	132.92
181	8.50	391.67	137.42

Total Deg. Days (0) for June/82 = 231.58

182	9.17	400.83	142.58
183	9.17	410.00	147.75
184	8.17	418.17	151.92
185	9.08	427.25	157.00
186	8.92	436.17	161.92
187	9.42	445.58	167.33
188	9.42	455.00	172.75
189	8.92	463.92	177.67
190	9.08	473.00	182.75
191	10.92	483.92	189.67
192	11.83	495.75	197.50
193	11.75	507.50	205.25
194	11.75	519.25	213.00
195	12.00	531.25	221.00
196	11.75	543.00	228.75
197	11.67	554.67	236.42
198	11.58	566.25	244.00
199	11.00	577.25	251.00
200	11.00	588.25	258.00
201	11.75	600.00	265.75
202	12.08	612.08	273.83
203	12.08	624.17	281.92

LITTLE BAY MORTIER NFLD ... continued

Station	Deptn	Latitude	Longitude	Start
86A	5.0	47.16	55.11	Mar 7, 1982 12:00 GMT

Day Number	Mean Temp.	Deg. Day (D)	Deg. Day (4)
204	12.00	636.17	289.92
205	11.83	648.00	297.75
206	12.00	660.00	305.75
207	11.75	671.75	313.50
208	11.25	683.00	320.75
209	11.33	694.33	328.08
210	11.67	706.00	335.75
211	12.00	718.00	343.75
212	10.92	728.92	350.67

Total Deg. Days (D) for July/82 = 337.25

213	11.00	739.92	357.67
214	11.08	751.00	364.75
215	11.25	762.25	372.00
216	12.00	774.25	380.00
217	12.00	786.25	388.00
218	12.08	798.33	396.08
219	12.67	811.00	404.75
220	11.58	822.58	412.33
221	12.00	834.58	420.33
222	12.50	847.08	428.83
223	11.50	858.58	436.33
224	11.80	870.38	444.67

Estimated Deg. Days (D) for Aug/82 = 305.46

HEADWATER POND NFLD

Station	Deptn	Latitude	Longitude	Start
87A	2.0	48.26	55.49	May 12, 1982 13:30 GMT

Day Number	Mean Temp.	Deg. Day (J)	Deg. Day (4)
132	5.50	5.50	2.83
133	5.58	11.08	4.42
134	6.17	17.25	6.58
135	6.33	23.58	8.92
136	6.92	30.50	11.83
137	9.08	39.58	16.92
138	8.83	48.42	21.75
139	6.67	55.08	24.42
140	6.25	61.33	26.67
141	6.08	67.42	28.75
142	7.33	74.75	32.08
143	8.33	83.08	36.42
144	9.25	92.33	41.67
145	10.58	102.92	46.25
146	11.42	114.33	53.67
147	11.50	125.83	63.17
148	10.83	136.67	70.00
149	11.08	147.75	77.08
150	9.92	157.67	83.00
151	10.42	168.08	89.42

Estimated Deg. Days (J) for May/82 = 248.12

152	11.58	179.67	97.00
153	11.17	190.83	104.17
154	11.92	202.75	112.08
155	12.00	214.75	120.08
156	13.50	228.25	129.58
157	13.08	241.33	138.67
158	14.00	255.33	148.67
159	15.25	270.58	159.92
160	15.58	286.17	171.50
161	15.33	301.50	182.83
162	12.75	314.25	191.58
163	12.17	326.42	199.75
164	14.58	341.00	210.33
165	15.42	356.42	221.75
166	16.25	372.67	234.00
167	14.25	386.92	244.25
168	10.25	397.17	250.50
169	14.33	411.50	260.83
170	15.00	426.50	271.83
171	14.92	441.42	282.75
172	13.00	454.42	291.75
173	12.00	466.42	299.75
174	11.58	478.00	307.33
175	11.33	489.33	314.67
176	11.25	500.58	321.92
177	10.83	511.42	328.75
178	11.58	523.00	336.33

HEADWATER POND NFLD ... continued

Station	Depth	Latitude	Longitude	Start
87A	2.0	48.28	55.49	May 12, 1982 13:50 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
179	11.42	534.42	343.75
180	13.50	547.92	353.25
181	12.58	560.50	361.83
Total Deg. Days (C) for June/82 =		592.42	
182	12.42	572.92	370.25
183	14.42	587.33	380.67
184	15.33	602.67	392.00
185	14.83	617.50	402.83
186	14.75	632.25	413.58
187	14.92	647.17	424.50
188	16.00	663.17	436.50
189	15.92	679.08	448.42
190	18.50	697.58	462.92
191	20.25	717.83	479.17
192	16.42	734.25	491.58
193	21.50	755.75	509.00
194	21.00	776.75	526.08
195	20.42	797.17	542.50
196	19.42	816.58	557.92
197	19.00	835.58	572.92
198	17.17	852.75	586.08
199	15.25	868.00	597.33
200	14.17	882.17	607.50
201	15.08	897.25	618.58
202	16.08	913.33	630.67
203	17.00	930.33	643.67
204	18.00	948.33	657.67
205	19.25	967.58	672.92
206	19.08	986.67	688.00
207	18.08	1004.75	702.08
208	16.67	1021.42	714.75
209	14.42	1035.83	725.17
210	15.58	1051.42	736.75
211	14.58	1066.00	747.33
212	14.42	1080.42	757.75
Total Deg. Days (C) for July/82 =		519.92	
213	16.67	1097.08	770.42
214	17.83	1114.92	784.25
215	17.00	1131.92	797.25
216	16.08	1148.00	809.33
217	16.25	1164.25	821.58
218	16.08	1180.33	833.67
219	16.75	1197.08	846.42
220	17.17	1214.25	859.58
221	16.92	1231.17	872.50
222	17.25	1248.42	885.75

HEADWATER POND NFLD ... continued

Station	Depth	Latitude	Longitude	Start
87A	2.0	48.28	55.49	May 12, 1982 13:50 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
223	16.83	1264.75	898.08
224	17.83	1282.58	911.92
225	18.58	1301.17	926.50
226	19.17	1320.33	941.67
227	18.17	1338.50	955.83
228	19.17	1357.67	971.00
229	19.25	1376.92	986.25
230	19.50	1396.42	1001.75
231	18.25	1414.67	1016.00
232	18.25	1432.92	1030.25
233	17.50	1450.42	1043.75
234	16.67	1467.08	1056.42
235	15.83	1482.92	1068.25
236	15.83	1498.75	1080.08
237	16.08	1514.83	1092.17
238	16.17	1531.00	1104.33
239	15.67	1546.67	1116.00
240	16.00	1562.67	1128.00
241	15.58	1578.25	1139.58
242	14.58	1592.83	1150.17
243	14.75	1607.58	1160.92
Total Deg. Days (C) for Aug/82 = 527.17			
244	14.50	1622.08	1171.42
245	14.50	1636.58	1181.92
246	13.83	1650.42	1191.75
247	14.08	1664.50	1201.83
248	15.08	1679.58	1212.92
249	15.83	1695.42	1224.75
250	16.50	1711.92	1237.25
251	14.17	1726.08	1247.42
252	13.42	1739.50	1256.83
253	12.92	1752.42	1265.75
254	13.00	1765.42	1274.75
255	13.00	1778.42	1283.75
256	13.42	1791.83	1293.17
257	15.17	1807.00	1304.33
258	16.25	1823.25	1316.58
259	14.33	1837.58	1326.92
260	13.42	1851.00	1336.33
261	13.75	1864.75	1346.08
262	13.25	1878.00	1355.33
263	13.00	1891.00	1364.33
264	12.75	1903.75	1373.08
265	12.00	1915.75	1381.08
266	13.17	1928.92	1390.25
267	13.83	1942.75	1400.08
268	13.58	1956.33	1409.67
269	13.33	1969.67	1419.00

HEADWATER POND NFLD ... continued

Station	Depth	Latitude	Longitude	Start
87A	2.0	48.28	55.49	May 12, 1982 13:50 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
270	13.58	1983.25	1428.58
271	13.67	1996.92	1438.25
272	12.58	2009.50	1446.83
273	10.92	2020.42	1453.75
Total Deg. Days (C) for Sept/82 =		412.33	
274	10.08	2030.50	1459.83
275	10.00	2040.50	1465.83
276	8.50	2049.00	1470.33
277	7.58	2056.58	1473.92
278	6.75	2063.33	1476.67
279	5.83	2070.17	1479.50
280	7.00	2077.17	1482.50
281	6.58	2083.75	1485.08
282	5.75	2089.50	1486.83
283	5.17	2094.67	1488.00
284	4.75	2099.42	1488.75
285	5.17	2104.58	1489.92
286	6.17	2110.75	1492.08
287	6.00	2116.75	1494.08
288	5.75	2122.50	1495.83
289	5.25	2127.75	1497.08
290	7.33	2135.08	1500.42
291	7.33	2142.42	1503.75
292	6.58	2149.00	1506.33
293	6.58	2155.58	1508.92
Estimated Deg. Days (C) for Oct/82 =		209.51	

HEADWATER POND NFLD

Station	Depth	Latitude	Longitude	Start
878	1.0	48.28	55.49	May 12, 1981 15:45 GMT

Day Number	Mean Temp.	Deg. Day (3)	Deg. Day (4)
132	13.50	13.50	10.83
133	13.50	27.00	20.33
134	12.50	39.50	28.83
135	11.75	51.25	36.58
136	12.08	63.33	44.67
137	14.17	77.50	54.83
138	13.67	91.17	64.50
139	12.42	103.58	72.92
140	10.42	114.00	79.33
141	10.67	124.67	86.00
142	11.33	136.00	93.33
143	13.50	149.50	102.83
144	12.00	161.50	110.83
145	10.75	172.25	117.58
146	9.75	182.00	123.33
147	9.50	191.50	128.83
148	10.17	201.67	135.00
149	11.08	212.75	142.08
150	12.50	225.25	150.50
151	14.00	239.25	160.58

Estimated Deg. Days (0) for May/81 = 353.16

152	14.17	253.42	170.75
153	14.08	267.50	180.83
154	13.67	281.17	190.50
155	14.58	295.75	201.08
156	14.58	310.33	211.67
157	15.17	325.50	222.83
158	14.75	340.25	233.58
159	13.67	353.92	243.25
160	13.50	367.42	252.75
161	13.50	380.92	262.25
162	11.83	392.75	270.08
163	9.75	402.50	276.83
164	10.42	412.92	284.25
165	12.75	425.67	291.00
166	13.50	439.17	300.50
167	13.17	452.33	309.67
168	13.83	466.17	319.50
169	14.67	480.83	330.17
170	14.67	495.50	340.83
171	16.58	512.08	353.42
172	17.33	529.42	366.75
173	16.33	545.75	379.08
174	16.00	561.75	391.08
175	15.92	577.67	403.00
176	16.58	594.25	415.58
177	17.00	611.25	428.58
178	15.25	626.50	439.83

HEADWATER POND NFLD ... continued

Station	Depth	Latitude	Longitude	Start
878	1.0	48.28	55.49	May 22, 1981 15:45 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
179	15.17	641.67	451.00
180	16.42	658.08	463.42
181	18.83	676.92	478.25
Total Deg. Days (C) for June/81 = 437.67			
182	18.75	695.67	493.00
183	18.92	714.58	507.92
184	19.58	734.17	523.50
185	20.83	755.00	540.33
186	22.00	777.00	558.33
187	18.50	795.50	572.83
188	17.00	812.50	585.83
189	17.50	830.00	599.33
190	17.25	847.25	612.58
191	16.58	863.83	625.17
192	17.17	881.00	638.33
193	16.50	897.50	650.83
194	16.33	913.83	663.17
195	16.67	930.50	675.83
196	15.25	945.75	687.08
197	15.25	961.00	698.33
198	14.83	975.83	709.17
199	17.42	993.25	722.58
200	19.00	1012.25	737.58
201	19.00	1031.25	752.58
202	19.00	1050.25	767.58
203	19.83	1070.08	783.42
204	18.00	1088.08	797.42
205	18.67	1106.75	812.08
206	19.17	1125.92	827.25
207	20.33	1146.25	843.58
208	20.25	1166.50	859.83
209	18.75	1185.25	874.58
210	16.75	1202.00	887.33
211	16.75	1218.75	900.08
212	18.33	1237.08	914.42
Total Deg. Days (C) for July/81 = 560.17			
213	17.33	1254.42	927.75
214	18.50	1272.92	942.25
215	19.67	1292.58	957.92
216	20.92	1313.50	974.83
217	21.33	1334.83	992.17
218	19.67	1354.50	1007.83
219	16.67	1371.17	1020.50
220	15.08	1386.25	1031.58
221	15.58	1401.83	1043.17
222	18.08	1419.92	1057.25

HEADWATER POND NFLD ... continued

Station	Deptn	Latitude	Longitude	Start
878	1.0	48.28	55.49	May 12, 1981 15:45 GMT

Day Number	Mean Temp.	Deg. Day (D)	Deg. Day (A)
223	19.142	1439.33	1072.67
224	18.92	1458.25	1087.50
225	18.192	1477.17	1102.50
226	19.167	1496.83	1118.17
227	18.125	1515.08	1132.42
228	18.00	1533.08	1146.42
229	18.08	1551.17	1160.50
230	18.100	1569.17	1174.50
231	17.42	1586.58	1187.92
232	14.142	1601.00	1198.33
233	14.183	1615.83	1209.17
234	16.117	1632.00	1221.33
235	17.58	1649.58	1234.92
236	18.100	1667.58	1248.92
237	15.167	1683.25	1260.58
238	14.142	1697.67	1271.00
239	15.08	1712.75	1282.08
240	15.58	1726.33	1293.67
241	15.17	1743.50	1304.83
242	15.167	1759.17	1316.50
243	17.83	1777.00	1330.33

Total Deg. Days (D) for Aug/81 = 539.92

244	18.158	1795.58	1344.92
245	19.17	1814.75	1360.08
246	19.75	1834.50	1375.83
247	19.125	1853.75	1391.08
248	19.125	1873.00	1406.33
249	19.42	1892.42	1421.75
250	17.150	1909.92	1435.25
251	16.00	1925.92	1447.25
252	15.183	1941.75	1459.08
253	15.33	1957.08	1470.42
254	15.100	1972.08	1481.42
255	15.17	1987.25	1492.58
256	15.142	2002.67	1504.00
257	14.133	2017.00	1514.33
258	14.17	2031.17	1524.50
259	14.133	2045.50	1534.83
260	13.183	2059.33	1544.67
261	13.50	2072.83	1554.17
262	13.83	2086.67	1564.00
263	13.175	2100.42	1573.75
264	13.142	2113.83	1583.17
265	12.133	2126.17	1591.50
266	12.100	2138.17	1599.50
267	11.158	2149.75	1607.08
268	10.125	2160.00	1613.33
269	10.25	2170.25	1619.58

HEADWATER POND NFLD ... continued

Station	Depth	Latitude	Longitude	Start
878	1.0	48.28	55.49	May 12, 1981 15:45 GMT

Day Number	Mean Temp.	Deg. Day (3)	Deg. Day (4)
270	9.00	2179.25	1624.50
271	8.25	2187.50	1628.83
272	9.08	2196.58	1633.92
273	10.00	2206.58	1639.92
Total Deg. Days (3) for Sept/81 =		429.08	
274	10.00	2216.58	1645.92
275	9.75	2226.33	1651.67
276	9.83	2236.17	1657.50
277	11.58	2247.75	1665.08
278	12.25	2260.00	1673.33
279	11.58	2271.58	1680.92
280	10.75	2282.33	1687.67
281	10.17	2292.50	1693.83
282	9.50	2302.00	1699.33
283	9.08	2311.08	1704.42
284	8.08	2319.17	1708.50
285	7.00	2326.17	1711.50
286	6.25	2332.42	1713.75
287	6.25	2338.67	1717.00
Estimated Deg. Days (3) for Oct/81 =		292.47	

SPRUCE POND NFLD

Station	Depth	Latitude	Longitude	Start
88	1.0	48.32	55.47	May 12, 1988 13:30 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
133	12.50	12.50	9.83
134	12.67	25.17	18.50
135	12.00	37.17	26.50
136	11.33	48.50	33.83
137	11.08	59.58	40.92
138	13.17	72.75	50.08
139	13.58	86.33	59.67
140	12.17	98.50	67.83
141	10.33	108.83	74.17
142	10.08	118.92	80.25
143	10.75	129.67	87.00
144	12.33	142.00	95.33
145	11.58	153.58	102.92
146	10.25	163.83	109.17
147	9.42	173.25	114.58
148	9.08	182.33	119.67
149	9.67	192.00	125.33
150	10.50	202.50	131.83
151	12.17	214.67	140.00
152	14.00	228.67	150.00

Estimated Deg. Days (C) for May/88 = 337.56

153	14.17	242.83	160.17
154	13.75	256.58	169.92
155	13.67	270.25	179.58
156	14.00	284.25	189.58
157	14.00	298.25	199.58
158	14.67	312.92	210.25
159	14.42	327.33	220.67
160	13.42	340.75	230.08
161	13.17	353.92	239.25
162	13.25	367.17	248.50
163	11.75	378.92	256.25
164	9.67	388.58	263.92
165	10.00	398.58	267.92
166	11.83	410.42	275.75
167	13.25	423.67	285.00
168	12.83	436.50	293.83
169	13.58	450.08	303.42
170	14.42	464.50	313.83
171	14.08	478.58	323.92
172	16.08	494.67	336.00
173	17.08	511.75	349.08
174	15.92	527.67	361.00
175	15.75	543.42	372.75
176	15.75	559.17	384.50
177	15.92	575.08	396.42
178	16.08	591.17	408.50
179	14.75	605.92	419.25

SPRUCE POND NFLD ... continued

Station	Depth	Latitude	Longitude	Start
88	1.0	48.32	55.47	May 12, 1988 13:05 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
180	14.75	620.67	430.00
181	15.75	636.42	441.75
182	18.00	654.42	455.75
Total Deg. Days (C) for June/88 =		425.75	
183	16.17	672.58	469.92
184	18.83	691.42	484.75
185	18.75	710.17	499.50
186	20.08	730.25	515.58
187	21.67	751.92	533.25
188	18.50	770.42	547.75
189	16.67	787.08	560.42
190	17.08	804.17	573.50
191	17.08	821.25	586.58
192	16.25	837.50	598.83
193	16.58	854.08	611.42
194	16.42	870.50	623.83
195	16.08	886.58	635.92
196	16.33	902.92	648.25
197	15.25	918.17	659.50
198	15.17	933.33	670.67
199	14.50	947.83	681.17
200	15.67	963.50	692.83
201	16.75	980.25	705.58
202	18.00	998.25	719.58
203	17.75	1016.00	733.33
204	18.08	1034.08	747.42
205	17.58	1051.67	761.00
206	18.42	1070.08	775.42
207	18.75	1088.83	790.17
208	19.58	1108.42	805.75
209	19.42	1127.83	821.17
210	18.17	1146.00	835.33
211	16.58	1162.58	847.92
212	16.33	1178.92	860.25
213	16.83	1195.75	873.08
Total Deg. Days (C) for July/88 =		541.33	
214	16.75	1212.50	885.83
215	17.50	1230.00	899.33
216	18.92	1248.92	914.25
217	20.25	1269.17	930.50
218	20.08	1289.25	946.58
219	19.08	1308.33	961.67
220	16.25	1324.58	973.92
221	14.58	1339.17	984.50
222	14.67	1353.83	995.17
223	16.00	1369.83	1007.17

SPRUCE POND NFLD ... continued

Station	Deptn	Latitude	Longitude	Start
88	1.0	48.32	55.47	May 12, 1988 13:05 GMT

Day Number	Mean Temp.	Deg. Day (D)	Deg. Day (4)
224	17.25	1387.08	1020.42
225	17.75	1404.83	1034.17
226	17.92	1422.75	1048.08
227	19.00	1441.75	1063.08
228	17.83	1459.58	1076.92
229	17.33	1476.92	1090.25
230	17.17	1494.08	1103.42
231	17.00	1511.08	1116.42
232	16.67	1527.75	1129.08
233	14.33	1542.08	1139.42
234	14.58	1556.67	1150.00
235	16.08	1572.75	1162.08
236	16.83	1589.58	1174.92
237	17.25	1606.83	1188.17
238	15.67	1622.50	1199.83
239	14.42	1636.92	1210.25
240	14.75	1651.67	1221.00
241	15.00	1666.67	1232.00
242	14.50	1681.17	1242.50
243	14.67	1695.83	1253.17
244	16.42	1712.25	1265.58

Total Deg. Days (D) for Aug/88 = 516.50

245	18.42	1730.67	1280.00
246	19.67	1750.33	1295.67
247	19.58	1769.92	1311.25
248	18.67	1788.58	1325.92
249	18.33	1806.92	1340.25
250	17.75	1824.67	1354.00
251	17.17	1841.83	1367.17
252	16.08	1857.92	1379.25
253	15.42	1873.33	1390.67
254	14.83	1888.17	1401.50
255	14.80	1902.67	1412.00
256	14.50	1917.17	1422.50
257	14.75	1931.92	1433.25
258	14.08	1946.00	1443.33
259	13.58	1959.58	1452.92
260	14.17	1973.75	1463.08
261	13.67	1987.42	1472.75
262	13.25	2000.67	1482.00
263	13.17	2013.83	1491.17
264	13.08	2026.92	1500.25
265	13.17	2040.08	1509.42
266	12.00	2052.08	1517.42
267	11.50	2063.58	1524.92
268	11.00	2074.58	1531.92
269	9.50	2084.08	1537.42
270	9.75	2093.83	1543.17

SPRUCE POND NFLD ... continued

Station	Depth	Latitude	Longitude	Start
88	1.0	48.32	55.47	May 12, 1988 13:05 GMT

Day Number	Mean Temp.	Deg. Day (C)	Deg. Day (F)
271	8.92	2102.75	1548.08
272	8.83	2111.08	1552.42
273	8.75	2119.83	1557.17
274	9.75	2129.58	1562.92

Total Deg. Days (C) for Sept/88 = 417.33

275	9.67	2139.25	1568.58
276	9.33	2148.58	1573.92
277	9.50	2158.08	1579.42
278	11.17	2169.25	1586.58
279	12.00	2181.25	1594.58
280	11.50	2192.75	1602.08
281	10.42	2203.17	1608.50
282	9.75	2212.92	1614.25
283	9.00	2221.92	1619.25
284	8.83	2230.75	1624.00
285	7.92	2238.67	1628.00
286	6.92	2245.58	1630.92
287	6.25	2251.83	1633.17
288	6.20	2258.03	1635.90

Estimated Deg. Days (C) for Oct/88 = 284.42

POOR

QUALITY

ORIGINAL